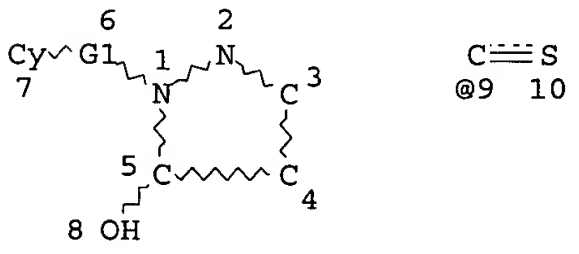
polyphosphoric acid at 120-3° with free vaporization of the CH2Cl2, the mixture cooled below 100° and added slowly with stirring to 1200 ml. H2O and 750 ml. EtOAc, the stirring continued 30 min. and the aqueous layer extracted with 250 ml. EtOAc, the aqueous layer saturated with 300 g. NaCl and extracted twice with 250 ml. EtOAc, the **emulsion** layer neutralized with Na2CO3 and warmed on a steam bath prior to a 3-fold extraction with 100 ml. portions of EtOAc, the combined EtOAc solns. washed with aqueous NaHCO3 and dried over MgSO4, evaporated in vacuo, and the residue sublimed twice at 120°/0.1 mm. gave 5.0 g. product, m. 183-8.5°, purified by sublimation twice, recrystn. twice from aqueous HCONMe2 and sublimation twice, treatment with Darco, and recrystn. from MeOH to give 2H,3H-thieno[3,2-b]pyrrol-3-one (III), m. 187-90°, λ 330, 303 (min.), 279, 236 (min.) mμ (ε 7400, 3900, 16,000, 500, 95% alc.), ν 3140, 1635 cm.-1 (Nujol). III (0.28 g.) in 35 ml. 95% alc. refluxed 1 hr. with 2.5 g. Raney Ni (W6) and the solution filtered, the residue washed with alc. and the alc. solns. evaporated in vacuo, the residue sublimed, and the product (0.06 g.) recrystd. from H2O gave 23 mg. 2-acetylpyrrole, m. 89-91°, identical with that prepared from C4H4NMgBr and AcCl. III (1.39 g.) and 1.5 g. NaBH4 in 50 ml. MeOH refluxed 16 hrs. under N and the mixture poured into 200 ml. 15% aqueous NaCl, extracted 3 times with 50 ml. CH2Cl2 and the dried extract evaporated, the residue sublimed at 6070°/0.1 mm., and the 0.76 g. product recrystd. from Et2O-C5H12 at -70° and resublimed 3 times gave thieno[3,2-b]pyrrole, m. 25-8°, λ 260, 233 (min.) mμ (ε 11,800, 4900, 95% alc.), infrared spectrum and that of a less pure sample synthesized from **thiophene** (cf. Snyder, et al., C.A. 51, 13846b) given.

L29 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:	1944:14764 HCAPLUS
DOCUMENT NUMBER:	38:14764
ORIGINAL REFERENCE NO.:	38:2159c-e
TITLE:	Some observations on the bionomics of the **itch** mite (Psorergates ovis) of sheep and its control with lime-sulfur dips
AUTHOR(S):	Graham, N. P. H.
SOURCE:	Journal of the Council for Scientific and Industrial Research (Australia) (1943), 16, 206-14 CODEN: JCOYAJ; ISSN: 0368-1734
DOCUMENT TYPE:	Journal
LANGUAGE:	Unavailable

AB Expts. on the transmission and control of the **itch** mite are described. In trials, Na arsenite solution (0.2% As2O3) and **suspensions** of rotenone (0.005%) killed a large proportion, but not all, of the mites on treated skin sites. Lime-**sulfur** solns. containing 0.4% weight/volume of polysulfide-**sulfur** completely eliminated mites. In the field, 10,000 sheep dipped in 1% lime-**sulfur**, containing 0.03% "Agral 3" wetting agent, remained free from mites for 8 months. The polysulfide-**sulfur** content of the dip remained within effective limits during dipping.

=> => d stat que
L1 STR



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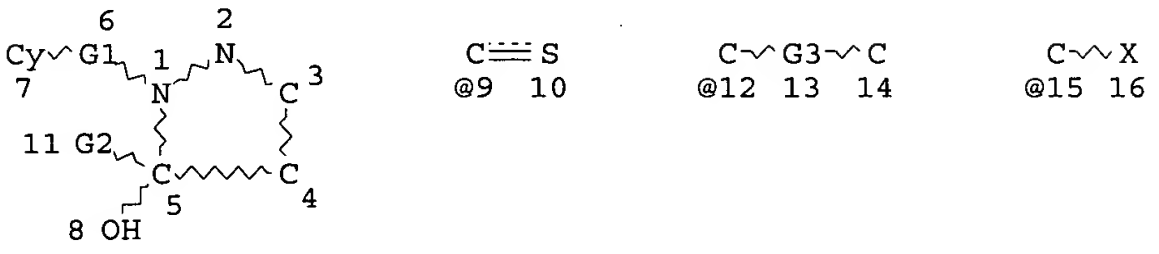
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE
L3 87 SEA FILE=REGISTRY SSS FUL L1
L6 STR



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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L7 53 SEA FILE=REGISTRY SUB=L3 SSS FUL L6
L8 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L7

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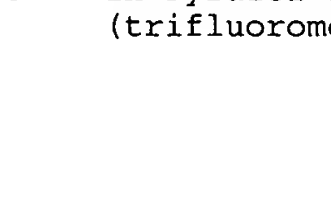
=>

=> d ibib abs hitstr l8 1-2

L8 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:241197 HCAPLUS
DOCUMENT NUMBER: 132:279215
TITLE: Preparation of 5-hydroxypyrazoles as agrochemical fungicides.
INVENTOR(S): Gypser, Andreas; Kirstgen, Reinhard; Sauter, Hubert; Bayer, Herbert; Cullmann, Oliver; Gewehr, Markus; Grammenos, Wassilios; Muller, Bernd; Ptock, Arne; Tormo i Blasco, Jordi; Ammermann, Eberhard; Grote, Thomas; Lorenz, Gisela; Strathmann, Siegfried
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany; et al.
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2000020399 A2 20000413 WO 1999-EP7125 19990924
WO 2000020399 A3 20000727
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 9961965 A1 20000426 AU 1999-61965 19990924
EP 1117650 A2 20010725 EP 1999-948860 19990924
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
JP 2002526536 T2 20020820 JP 2000-574516 19990924
PRIORITY APPLN. INFO.: DE 1998-19845509 A 19981002
WO 1999-EP7125 W 19990924
OTHER SOURCE(S): MARPAT 132:279215
GI



I

AB Use of title compds. [I; B = aryl, heteroaryl; A = CO, CS, SO2; R1 = alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, cycloalkyl, cycloalkenyl, cycloalkynyl, aryl, heterocyclyl, heteroaryl; R2 = H; R3 = H, NO2, cyano, N(R')2, alkyl, haloalkyl, alkoxy, haloalkoxy, alkenyl, haloalkenyl, alkynyl, haloalkynyl; R' = H, alkyl; R2R3 = O, S, NOR5; R5 = H, alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl; R4 = H, halo, NO2, cyano, N(R')2, alkyl, haloalkyl, CO2R', heteroaryl, heterocyclyl], for combating harmful fungi is claimed. Thus, reaction of 4-bromobenzoic acid hydrazide with 5,5,6,6,6-pentafluoro-2,4-hexanedione gave 5-hydroxy-5-(1,1,1,2,2-pentafluoroethyl)-3-methyl-4,5-dihydropyrazol-1-yl-4-bromophenylmethanone. The latter at 250 ppm reduced incidence of Phytophthora infestans on tomatoes to ≤20%, vs. 100% for untreated controls.

IT **263700-45-4P 263700-46-5P 263700-47-6P**
263700-48-7P 263700-49-8P 263700-50-1P
263700-51-2P 263700-52-3P 263700-53-4P
263700-54-5P 263700-55-6P 263700-56-7P
263700-57-8P 263700-58-9P 263700-59-0P
263700-60-3P 263700-61-4P 263700-62-5P
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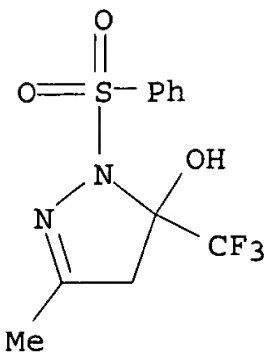
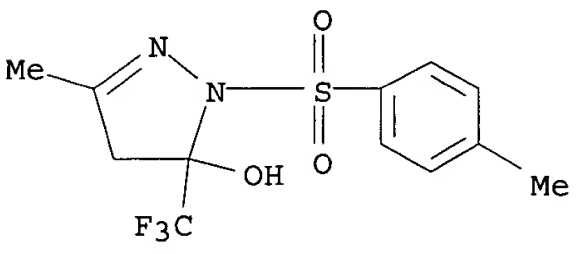
263700-72-7P 263700-73-8P 263700-74-9P
263700-75-0P 263700-76-1P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-hydroxypyrazoles as agrochem. fungicides)

RN 263700-45-4 HCAPLUS

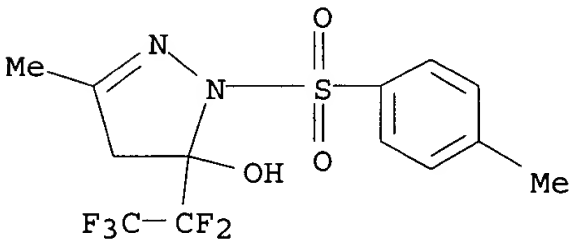
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-1-(phenylsulfonyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



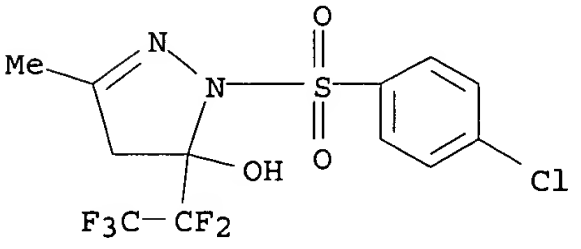
RN 263700-46-5 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-1-[(4-methylphenyl)sulfonyl]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



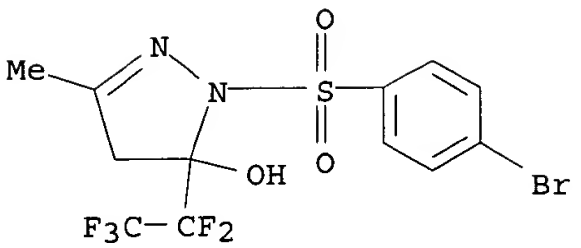
RN 263700-47-6 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-1-[(4-methylphenyl)sulfonyl]-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



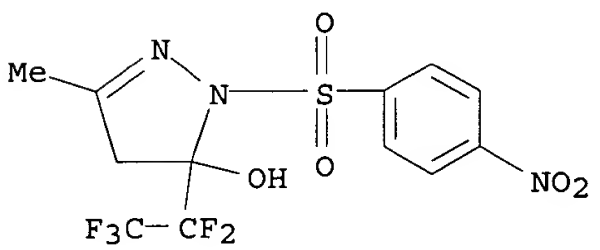
RN 263700-48-7 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(4-chlorophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



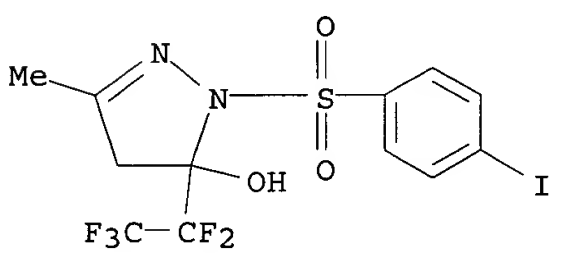
RN 263700-49-8 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(4-bromophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



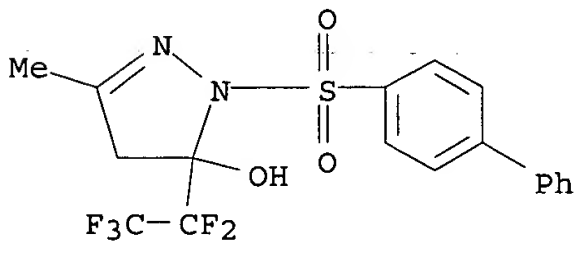
RN 263700-50-1 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-1-[(4-nitrophenyl)sulfonyl]-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



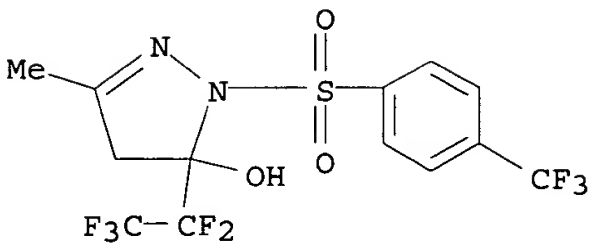
RN 263700-51-2 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-[(4-iodophenyl)sulfonyl]-3-methyl-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



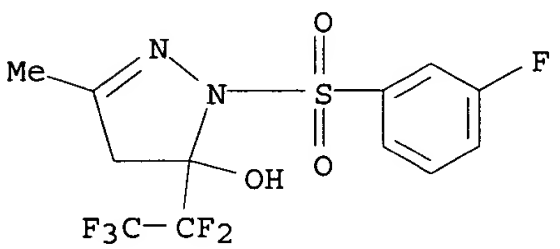
RN 263700-52-3 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-([1,1'-biphenyl]-4-ylsulfonyl)-4,5-dihydro-3-methyl-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



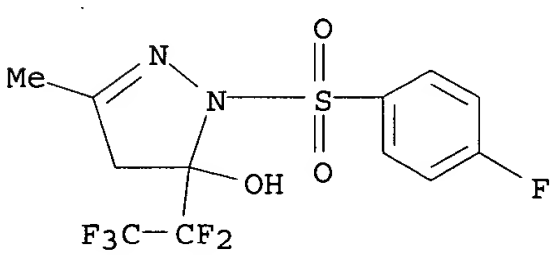
RN 263700-53-4 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-5-(pentafluoroethyl)-1-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



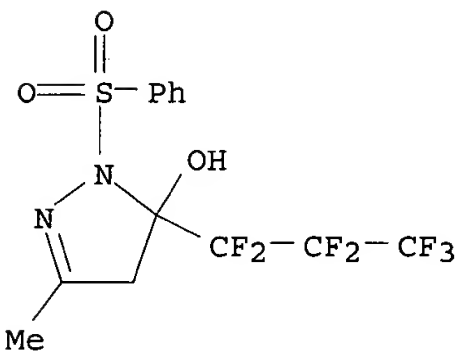
RN 263700-54-5 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(3-fluorophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



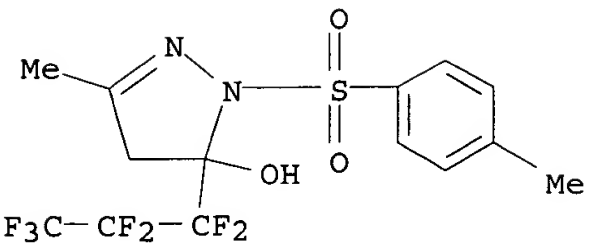
RN 263700-55-6 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(4-fluorophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



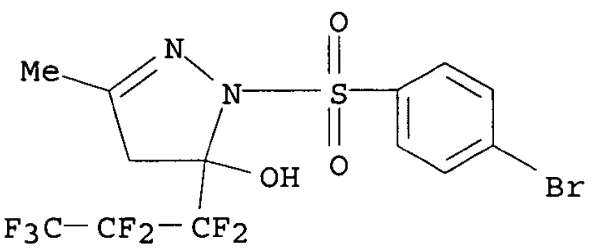
RN 263700-56-7 HCAPLUS
CN 1H-Pyrazol-5-ol, 5-(heptafluoropropyl)-4,5-dihydro-3-methyl-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



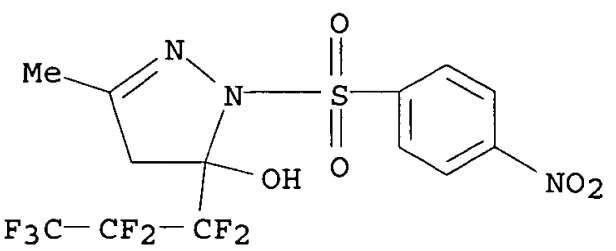
RN 263700-57-8 HCAPLUS
CN 1H-Pyrazol-5-ol, 5-(heptafluoropropyl)-4,5-dihydro-3-methyl-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



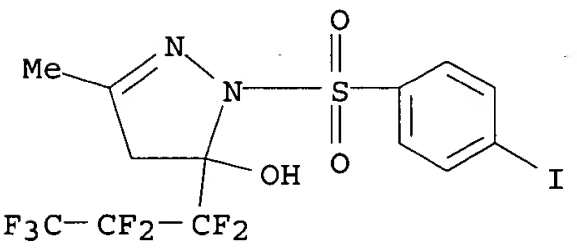
RN 263700-58-9 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(4-bromophenyl)sulfonyl]-5-(heptafluoropropyl)-4,5-dihydro-3-methyl- (9CI) (CA INDEX NAME)



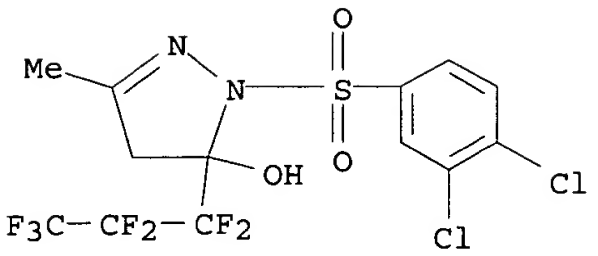
RN 263700-59-0 HCAPLUS
CN 1H-Pyrazol-5-ol, 5-(heptafluoropropyl)-4,5-dihydro-3-methyl-1-[(4-nitrophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



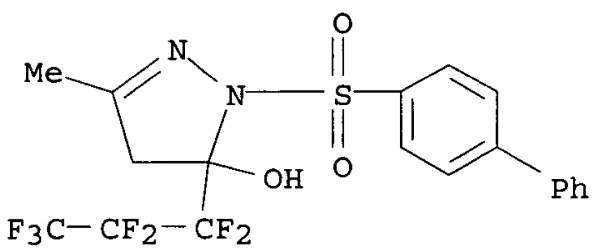
RN 263700-60-3 HCAPLUS
CN 1H-Pyrazol-5-ol, 5-(heptafluoropropyl)-4,5-dihydro-1-[(4-iodophenyl)sulfonyl]-3-methyl- (9CI) (CA INDEX NAME)



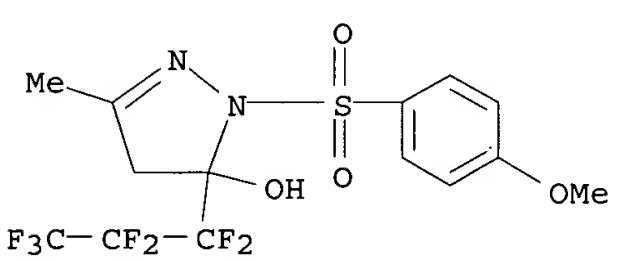
RN 263700-61-4 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(3,4-dichlorophenyl)sulfonyl]-5-(heptafluoropropyl)-4,5-dihydro-3-methyl- (9CI) (CA INDEX NAME)



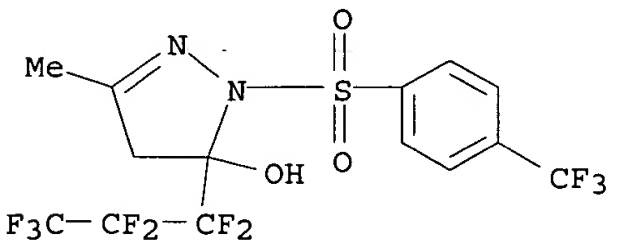
RN 263700-62-5 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-([1,1'-biphenyl]-4-ylsulfonyl)-5-(heptafluoropropyl)-4,5-dihydro-3-methyl- (9CI) (CA INDEX NAME)



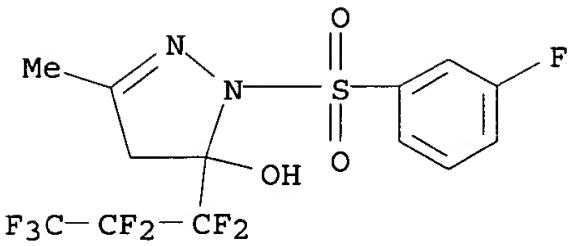
RN 263700-63-6 HCAPLUS
CN 1H-Pyrazol-5-ol, 5-(heptafluoropropyl)-4,5-dihydro-1-[(4-methoxyphenyl)sulfonyl]-3-methyl- (9CI) (CA INDEX NAME)



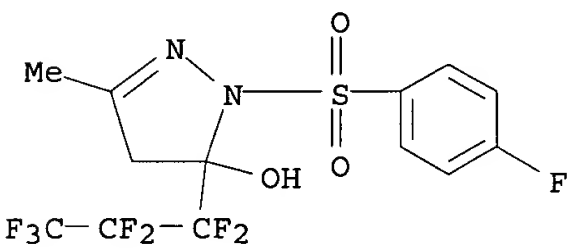
RN 263700-64-7 HCAPLUS
CN 1H-Pyrazol-5-ol, 5-(heptafluoropropyl)-4,5-dihydro-3-methyl-1-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



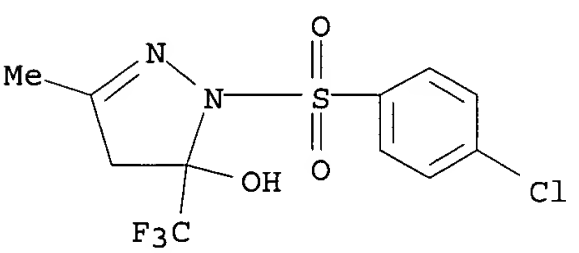
RN 263700-65-8 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(3-fluorophenyl)sulfonyl]-5-(heptafluoropropyl)-4,5-dihydro-3-methyl- (9CI) (CA INDEX NAME)



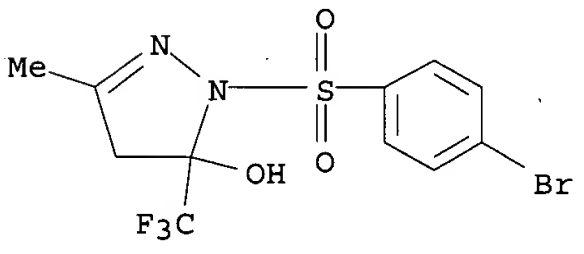
RN 263700-66-9 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(4-fluorophenyl)sulfonyl]-5-(heptafluoropropyl)-4,5-dihydro-3-methyl- (9CI) (CA INDEX NAME)



RN 263700-67-0 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(4-chlorophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 263700-68-1 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(4-bromophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 263700-69-2 HCAPLUS
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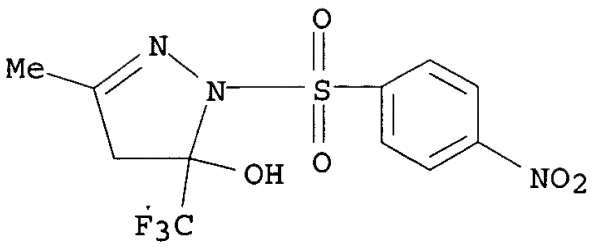
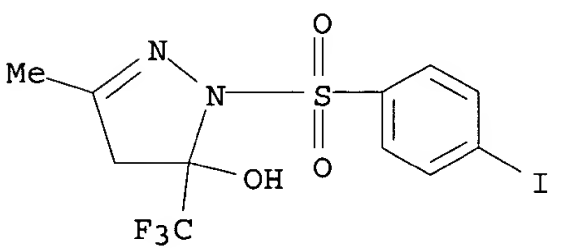
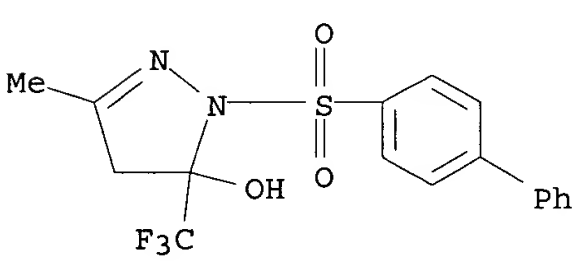


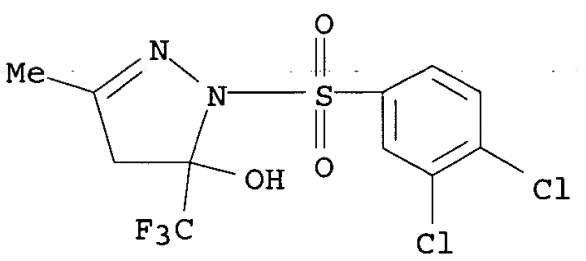
RN 263700-70-5 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-[(4-iodophenyl)sulfonyl]-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



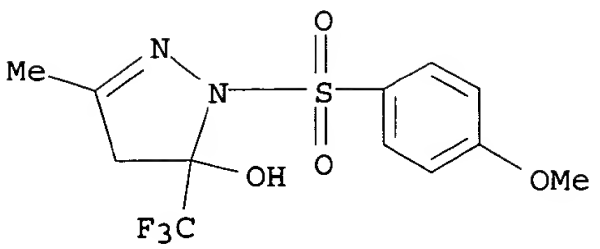
RN 263700-71-6 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-([1,1'-biphenyl]-4-ylsulfonyl)-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



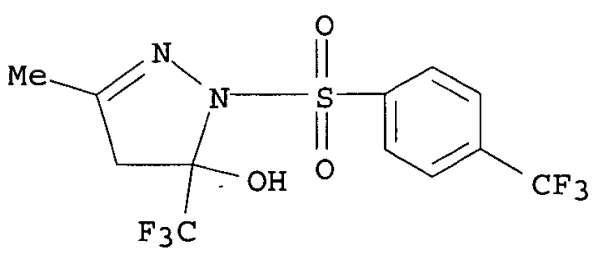
RN 263700-72-7 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(3,4-dichlorophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 263700-73-8 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-[(4-methoxyphenyl)sulfonyl]-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 263700-74-9 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-5-(trifluoromethyl)-1-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 263700-75-0 HCAPLUS
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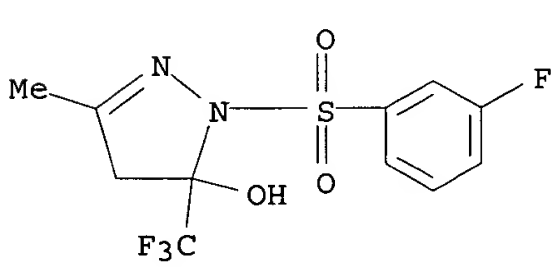
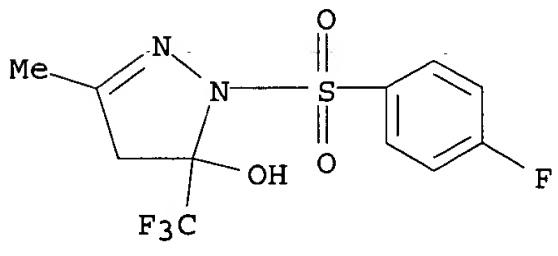
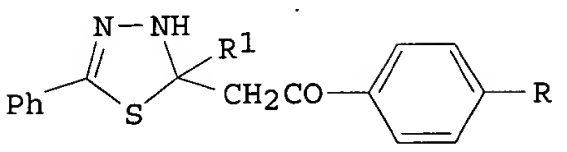


RN 263700-76-1 HCAPLUS
CN 1H-Pyrazol-5-ol, 1-[(4-fluorophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)

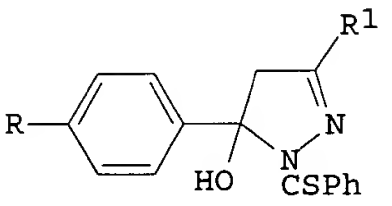


L8 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1984:22225 HCAPLUS
DOCUMENT NUMBER: 100:22225
TITLE: Tautomerism of thiobenzoylhydrazones of aroylacetones and aroylacetaldehydes
AUTHOR(S): Yakimovich, S. I.; Zelenin, K. N.; Nikolaev, V. N.; Koshmina, N. V.; Alekseev, V. V.; Khrustalev, V. A.
CORPORATE SOURCE: Leningr. Gos. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1983), 19(9), 1875-81

CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 100:22225
GI



III

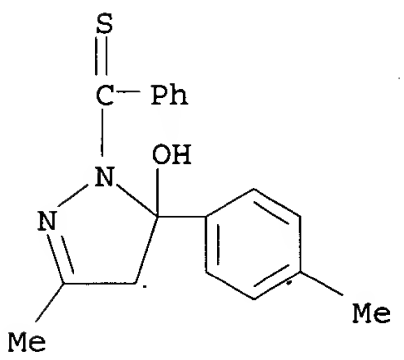


IV

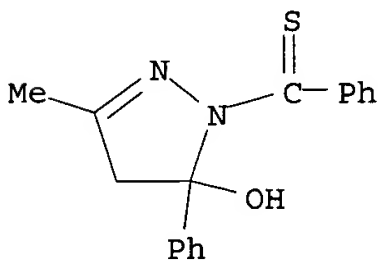
AB The products of the reactions of PhCSNHNH2 (I) with 4-RC6H4COCH2COR1 (II; R = MeO, H, NO2; R1 = H) have structure III in the crystalline and solution states. The products of the reactions of I with II (R = Me2N, MeO, Me, H, Br, NO2; R1 = Me) also have structure III in the condensed state, but in CDCl3 they exist as III-IV mixts., and in (CD3)2SO a 3rd tautomer, 4-RC6H4COCH:CR1NHNHCSPh (V), is also present. Electron-withdrawing R groups favor IV and V.

IT **88222-85-9 88222-86-0 88222-87-1**
88222-88-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(tautomerization of)

RN 88222-85-9 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-5-(4-methylphenyl)-1-(phenylthioxomethyl)- (9CI) (CA INDEX NAME)

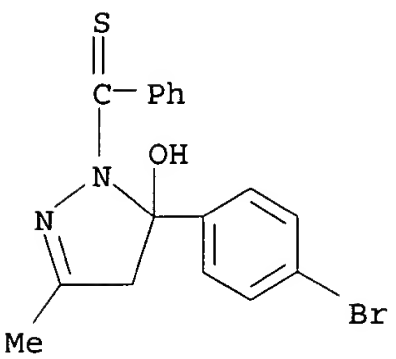


RN 88222-86-0 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-5-phenyl-1-(phenylthioxomethyl)- (9CI) (CA INDEX NAME)

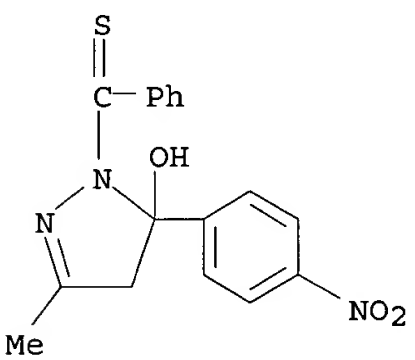


RN 88222-87-1 HCAPLUS
CN 1H-Pyrazol-5-ol, 5-(4-bromophenyl)-4,5-dihydro-3-methyl-1-

(phenylthioxomethyl)- (9CI) (CA INDEX NAME)



RN 88222-88-2 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-5-(4-nitrophenyl)-1-(phenylthioxomethyl)- (9CI) (CA INDEX NAME)



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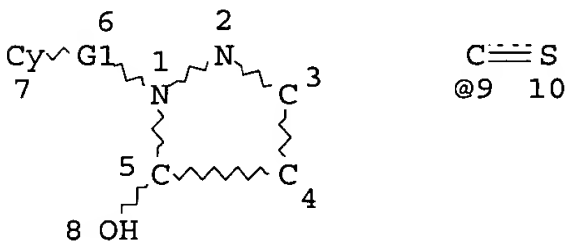
L1 STR



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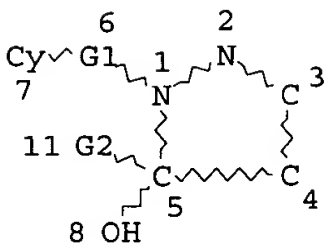
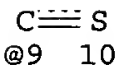
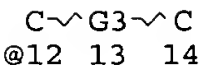
DEFAULT ECLEVEL IS LIMITED

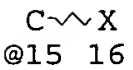
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE
L3 87 SEA FILE=REGISTRY SSS FUL L1
L6 STR









VAR G1=9/S
VAR G2=CY/N-PR/12/15
REP G3=(3-8) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

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L7            53 SEA FILE=REGISTRY SUB=L3 SSS FUL L6
L8             2 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L7
L9            34 SEA FILE=REGISTRY ABB=ON  PLU=ON  L3 NOT L7
L10           18 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L9
L11           18 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L10 NOT L8


=>
=>
=> d ibib abs hitstr l11 1-18

L11  ANSWER 1 OF 18  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:         2003:174482  HCAPLUS
DOCUMENT NUMBER:          138:198678
TITLE:                    Small-molecule modulators of hepatocyte growth
                          factor/scatter factor activities as drugs
INVENTOR(S):              Pillarisetti, Sivaram; Goldberg, Itzhak D.
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 37 pp.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
PATENT INFORMATION:

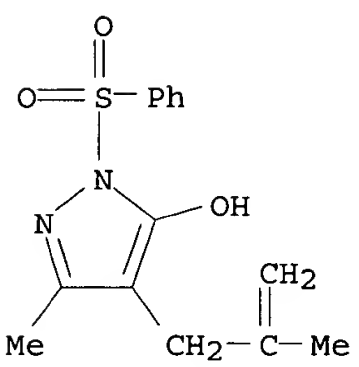
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
     US 2003045559      A1   20030306       US 2001-896832   20010629
     US 6589997         B2   20030708
     US 2003022924      A1   20030130       US 2001-26672    20011219
     US 6610726         B2   20030826
     US 2003216459      A1   20031120       US 2003-456326   20030606
PRIORITY APPLN. INFO.:                   US 2001-896832   A2 20010629
OTHER SOURCE(S):          MARPAT 138:198678
AB   The invention is directed to small organic mols. having the ability to mimic
     or agonize hepatocyte growth factor/scatter factor (HGF/SF) activity, or
     inhibit or antagonize HGF/SF activity, the former useful for promoting,
     for example, vascularization of tissues or organs for promoting wound or
     tissue healing, or augmenting or restoring blood flow to ischemic tissues
```

such as the heart following myocardial infarction. Inhibition of cellular growth or proliferation is beneficial in the treatment, for example, of inflammatory diseases such as inflammatory joint and skin diseases, and dysproliferative diseases such as cancer. Pharmaceutical compns. containing the modulators are also claimed.

IT **500129-14-6**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(small-mol. modulators of hepatocyte growth factor/scatter factor activities as drugs)

RN 500129-14-6 HCAPLUS

CN 1H-Pyrazol-5-ol, 3-methyl-4-(2-methyl-2-propenyl)-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:455611 HCAPLUS

DOCUMENT NUMBER: 137:294847

TITLE: Reactions with coumarin. VI

AUTHOR(S): Ismail, I. Imam; El-Bary, H. Abd; El-Aleem, A. H. Abd; Hossni, A.

CORPORATE SOURCE: National Research Centre, Cairo, Egypt

SOURCE: Afinidad (2002), 59(498), 151-154
CODEN: AFINAE; ISSN: 0001-9704

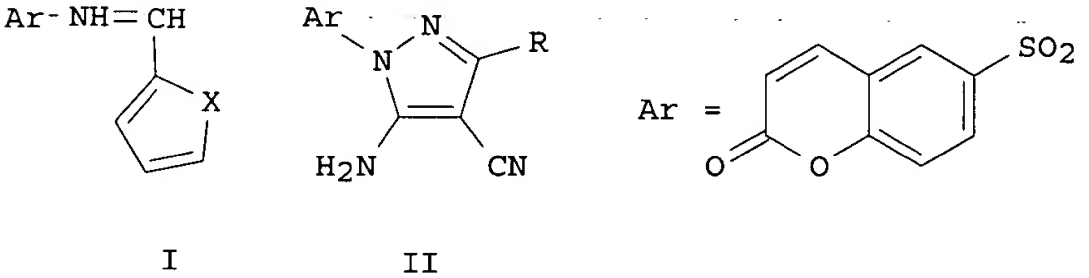
PUBLISHER: Asociacion de Quimicos del Instituto Quimico de Sarria

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 137:294847

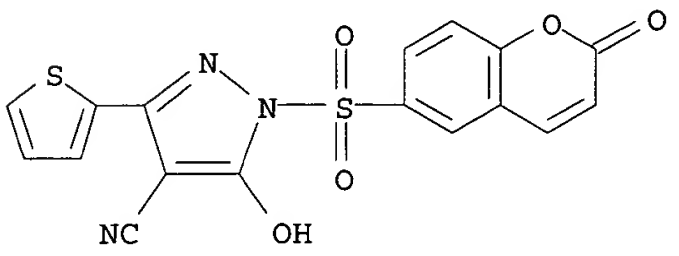
GI



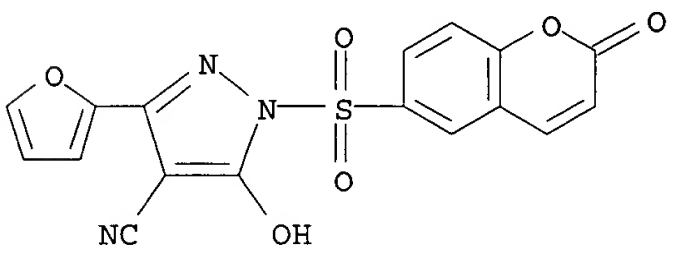
I II

AB The present investigation is designed to study the reaction of some active methylene compds. with coumarin-6-sulfonyl hydrazones, I (X = O, S). The following active methylene compds. were used: malononitrile, Et cyanoacetate, di-Et malonate and 2,4-pentanedione. It was found that, the active methylene compound is added to the double bond of the hydrazone to give an adduct, which cyclized directly to pyrazole or pyrazoline-5-one derivs., e.g. II.

IT **467465-91-4P 467465-92-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation via cyclization reaction of coumarin sulfonyl hydrazone with Et cyanoacetate)
RN 467465-91-4 HCAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-hydroxy-1-[(2-oxo-2H-1-benzopyran-6-yl)sulfonyl]-3-(2-thienyl)- (9CI) (CA INDEX NAME)

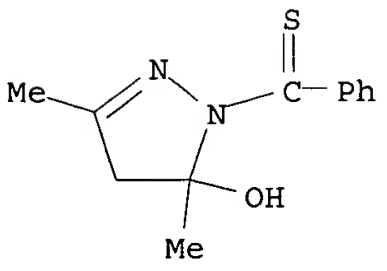


RN 467465-92-5 HCAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2-furanyl)-5-hydroxy-1-[(2-oxo-2H-1-benzopyran-6-yl)sulfonyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:612571 HCAPLUS
DOCUMENT NUMBER: 131:336980
TITLE: Recyclization of 1-acyl(thioacyl)-5-hydroxy-2-pyrazolines to 1,3,4-oxa(thia)diazol-2-ines on acetylation
AUTHOR(S): Zelenin, K. N.; Alekseev, V. V.; Zelenin, A. K.; Sushkova, Yu. S.
CORPORATE SOURCE: Military Medical Academy, St. Petersburg, 194175, Russia
SOURCE: Chemistry of Heterocyclic Compounds (New York) (Translation of Khimiya Geterotsiklicheskikh Soedinenii) (1999), 35(1), 87-92
CODEN: CHCCAL; ISSN: 0009-3122
PUBLISHER: Consultants Bureau
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:336980
AB Acetylation of 1-acyl(thioacyl)-5-hydroxy-2-pyrazolines produces recyclization to the corresponding 4-acyl-5-(2-oxoalkyl)-1,3,4-oxa(thia)diazol-2-ines.
IT **80857-68-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(acetylation-recyclization of)
RN 80857-68-7 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3,5-dimethyl-1-(phenylthioxomethyl)- (9CI) (CA INDEX NAME)

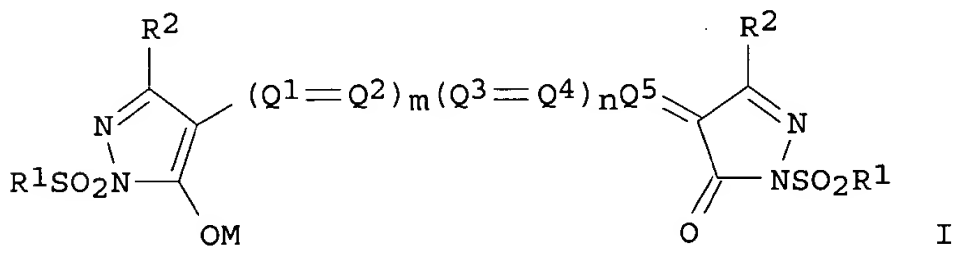


REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:890208 HCAPLUS
DOCUMENT NUMBER: 123:289616
TITLE: Pyrazolone oxonol compounds and silver halide photographic photosensitive materials containing the same with improved storability
INVENTOR(S): Aoki, Mario; Wariishi, Koji
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07207167	A2	19950808	JP 1994-3868	19940119

PRIORITY APPLN. INFO.: JP 1994-3868 19940119
OTHER SOURCE(S): MARPAT 123:289616
GI



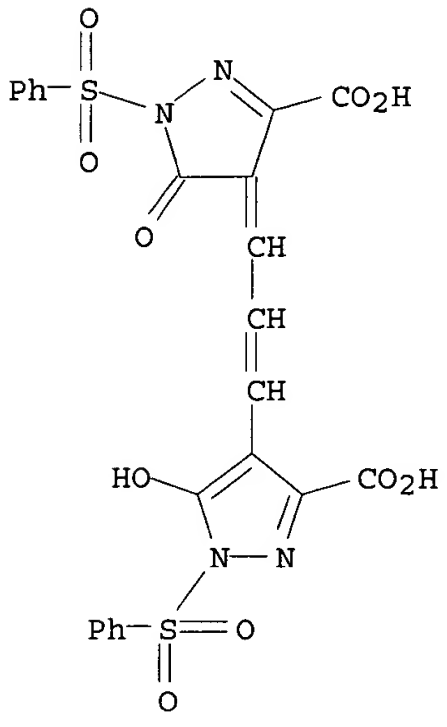
I

AB The title compds. have the general formula I (R1 = alkyl, aryl, heterocyclic group; R2 H, alkyl group, aryl group, heterocyclic group, OH, alkoxy, carboxy, ester, carbamoyl, amino, acylamino, ureido, urethane, cyano group; Q1-5 = methine; M = H, cation; m, n = 0, 1). Me 3-oxopentanoate was treated with methanesulfonic acid hydrazide in the presence of NaOMe/MeOH to give 5-hydroxy-3-butyl-1-methanesulfonylpyrazole which was treated with malonaldehyde dianil-HCl in DMF in the presence of Et3N to give I (R1 = R2 = Me; m = 0, n = 1; M = H), λmax (H2O) 528 nm.

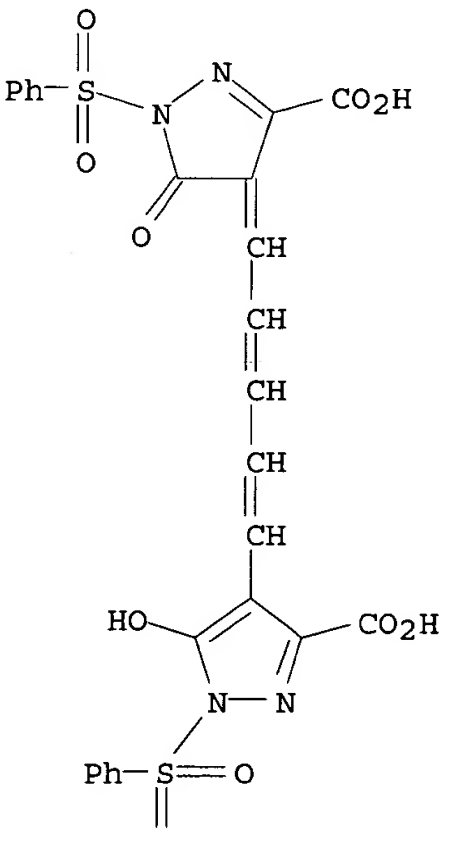
IT **169606-53-5P 169606-57-9P**
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(pyrazolone oxonol compds. and silver halide photog. photosensitive materials containing the same with improved storability)

RN 169606-53-5 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 4-[3-[3-carboxy-5-hydroxy-1-(phenylsulfonyl)-1H-pyrazol-4-yl]-2-propenylidene]-4,5-dihydro-5-oxo-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



RN 169606-57-9 HCAPLUS
CN 1H-Pyrazole-3-carboxylic acid, 4-[5-[3-carboxy-5-hydroxy-1-(phenylsulfonyl)-1H-pyrazol-4-yl]-2,4-pentadienylidene]-4,5-dihydro-5-oxo-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



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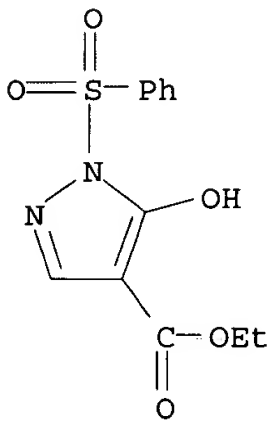
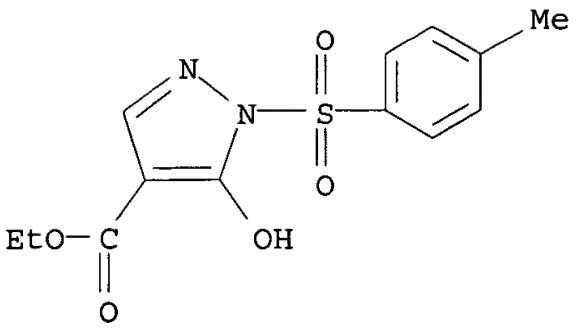
L11 ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:788075 HCAPLUS
DOCUMENT NUMBER: 124:8164
TITLE: NMR spectroscopic investigations with ethyl 1-(hetero)aryl-5-hydroxy-1H-pyrazole-4-carboxylates
AUTHOR(S): Holzer, Wolfgang; Schmid, Eva
CORPORATE SOURCE: Institute Pharmaceutical Chemistry, University Vienna, Vienna, A-1090, Austria
SOURCE: Journal of Heterocyclic Chemistry (1995), 32(4), 1341-9
CODEN: JHTCAD; ISSN: 0022-152X
PUBLISHER: HeteroCorporation
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The synthesis of a series of Et N-1-(hetero)aryl-5-hydroxy-1H-pyrazole-4-carboxylates by reaction of di-Et (ethoxymethylene)malonate with the appropriate hydrazines is described. According to 1H- and 13C-NMR investigations, the title compds. exist as 5-hydroxy tautomers in CDCl3 as well as in deuteriodimethyl sulfoxide solution
IT **171193-43-4P 171193-44-5P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation, NMR, and tautomerism of Et 1-(hetero)aryl-5-hydroxy-1H-pyrazole-4-carboxylates)
RN 171193-43-4 HCAPLUS
CN 1H-Pyrazole-4-carboxylic acid, 5-hydroxy-1-(phenylsulfonyl)-, ethyl ester (9CI) (CA INDEX NAME)



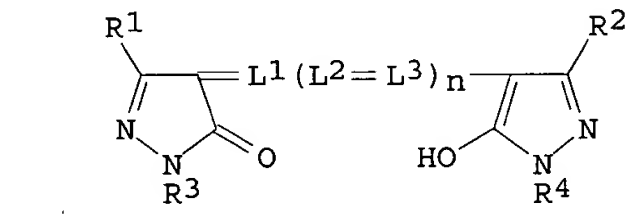
RN 171193-44-5 HCAPLUS
CN 1H-Pyrazole-4-carboxylic acid, 5-hydroxy-1-[(4-methylphenyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



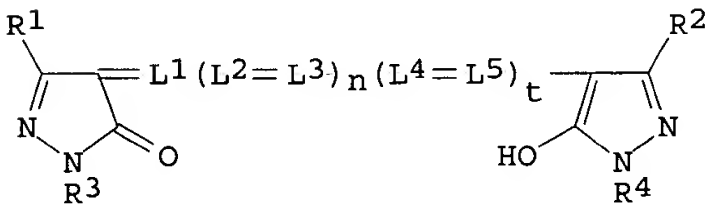
L11 ANSWER 6 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:284782 HCAPLUS
DOCUMENT NUMBER: 120:284782
TITLE: Silver halide photographic material
INVENTOR(S): Takemura, Kumiko; Taguchi, Masaaki; Hashimoto, Hiroyuki; Kawashima, Yasuhiko; Usagawa, Yasushi; Inoe, Kyoshi; Oohashi, Hirobumi
PATENT ASSIGNEE(S): Konishiroku Photo Ind, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 72 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05045790	A2	19930226	JP 1991-201928	19910812
JP 3030578	B2	20000410		

PRIORITY APPLN. INFO.: JP 1991-201928 19910812
GI



I

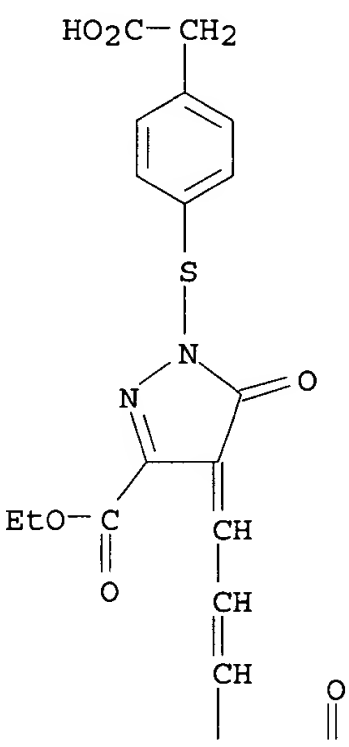


II

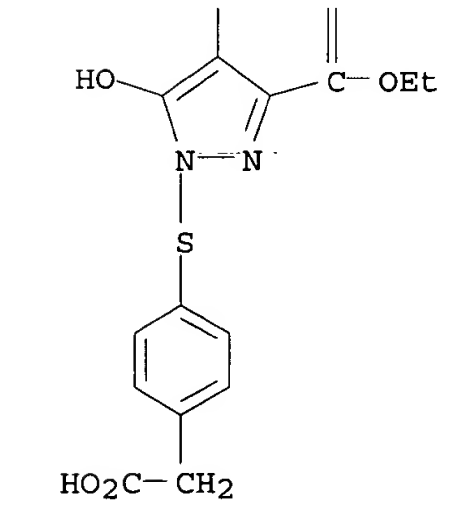
AB In the title material comprising a support having thereon hydrophilic colloid layers (including one or more silver halide emulsion layers), at least one of said hydrophilic colloid layers contains a dispersion of solid microparticles of a dye compound represented by I, II, etc. For I, R1, R2 = substituent; R3, R4 = Ph ring having linking group connected to carboxyl group; L1 to L3 = methine; n = 0 to 2. For II, R1, R2 = substituent; R3, R4 = H, alkyl, cycloalkyl, alkenyl, etc.; L1 to L5 = methine; n, t = 0 or 1. At least one silver halide emulsion layer in the title material contains one or more 1-phenyl-5-mercaptotetrazole derivs. The title material shows high sensitivity and gives sharp images.

IT **150440-85-0**
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. material containing)
RN 150440-85-0 HCAPLUS
CN 1H-Pyrazole-3-carboxylic acid, 1-[[4-(carboxymethyl)phenyl]thio]-4-[3-[1-[[4-(carboxymethyl)phenyl]thio]-3-(ethoxycarbonyl)-5-hydroxy-1H-pyrazol-4-yl]-2-propenylidene]-4,5-dihydro-5-oxo-, 3-ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

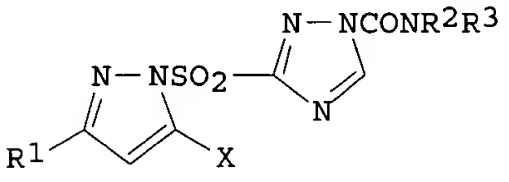


L11 ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:99439 HCAPLUS
DOCUMENT NUMBER: 120:99439
TITLE: Preparation of triazoles as herbicides.

INVENTOR(S): Ishikawa, Hiromichi; Yasuhara, Satoshi; Masumizu, Tatsuya; Onoe, Shinji; Kusunoki, Masayuki; Yoshizawa, Hirokazu
PATENT ASSIGNEE(S): Hokko Chem Ind Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05255317	A2	19931005	JP 1992-90085	19920317

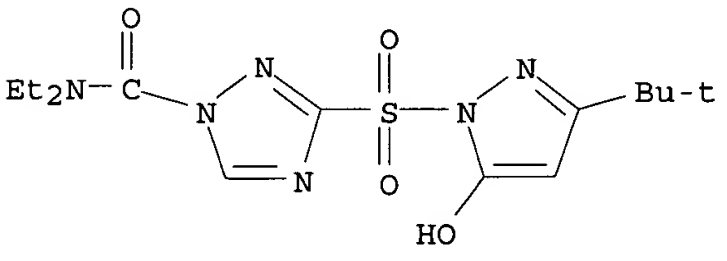
PRIORITY APPLN. INFO.: JP 1992-90085 19920317
OTHER SOURCE(S): MARPAT 120:99439
GI



I

AB Herbicides contain triazoles I [R1-R3 = lower alkyl; X = NH2, OH, lower (di)alkylamino, alkylcarbonylamino, alkoxycarbonylamino, alkylaminocarbamoylamino, alkoxy, alkylthio, alkoxycarbonyl, or alkylcarbamoyl] as active ingredients. Condensation of 3-tert-butyl-5-butylaminopyrazole with 1-diethylcarbamoyl-1,2,4-triazole-3-sulfonyl chloride in MeCN at 30° for 1 h gave 86% I (R1 = CMe3, R2 = R3 = Et, X = NHBu) (II), which at 0.64 g/are showed 80-100% herbicidal activity with no damage to rice, vs. less activity, for control triazoles. Granules were formulated containing II 1, lauryl sulfate 1, Ca ligninsulfonate 1, bentonite 30, and activated clay 67 parts.

IT **152307-58-9P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as herbicide)
RN 152307-58-9 HCAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, 3-[[3-(1,1-dimethylethyl)-5-hydroxy-1H-pyrazol-1-yl]sulfonyl]-N,N-diethyl- (9CI) (CA INDEX NAME)



L11 ANSWER 8 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1992:644557 HCAPLUS
DOCUMENT NUMBER: 117:244557
TITLE: Structures of condensation products of β-diketones with thiobenzoylhydrazine and their

nickel(II) complexes

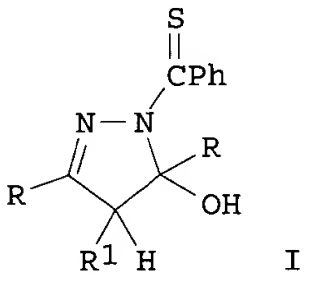
AUTHOR(S): Toshev, M. T.; Yusupov, V. G.; Dustov, Kh. B.; Saidov, S. O.; Karimov, M. M.; Parpiev, N. A.; Aleksandrov, G. G.

CORPORATE SOURCE: Bukhar. Tekhnol. Inst. Tekst. Legk. Prom., Bukhara, Uzbekistan

SOURCE: Zhurnal Neorganicheskoi Khimii (1992), 37(5), 1052-61
CODEN: ZNOKAQ; ISSN: 0044-457X

DOCUMENT TYPE: Journal
LANGUAGE: Russian

GI

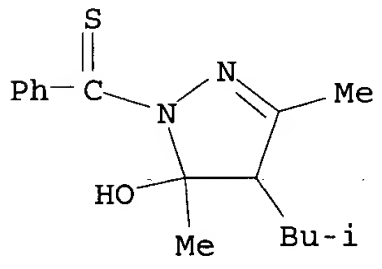


I

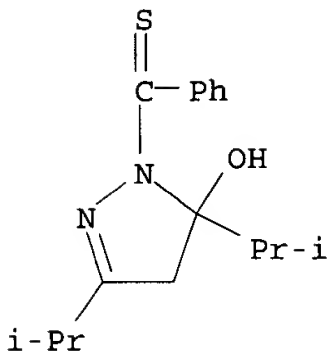
AB CuL.NH3 (H2L = I (R = Me, R1 = CH2CHMe2)) and CuL1 (H2L1 = I (R = CHMe2, R1 = H)) were prepared and their crystal structures as well as those of the ligands were determined Crystal data: for CuL.NH3, triclinic, space group P.hivin.1, Z = 2, R/Rw = 0.073/0.079; for I (R = Me, R1 = CH2CHMe2), I (R = CHMe2, R1 = H) and CuL1, monoclinic, space group P21/n, P21/c and P21/c, resp, Z = 4, R/Rw = 0.095/0.105, 0.100/0.111 and 0.070/0/077, resp. CuL.NH3 is square planar and the ligand is tridentate with N,O,S-coordination. CuL1 is dimeric with S bridging.

IT **144264-68-6 144264-69-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(crystal structure and complexation of, with copper)

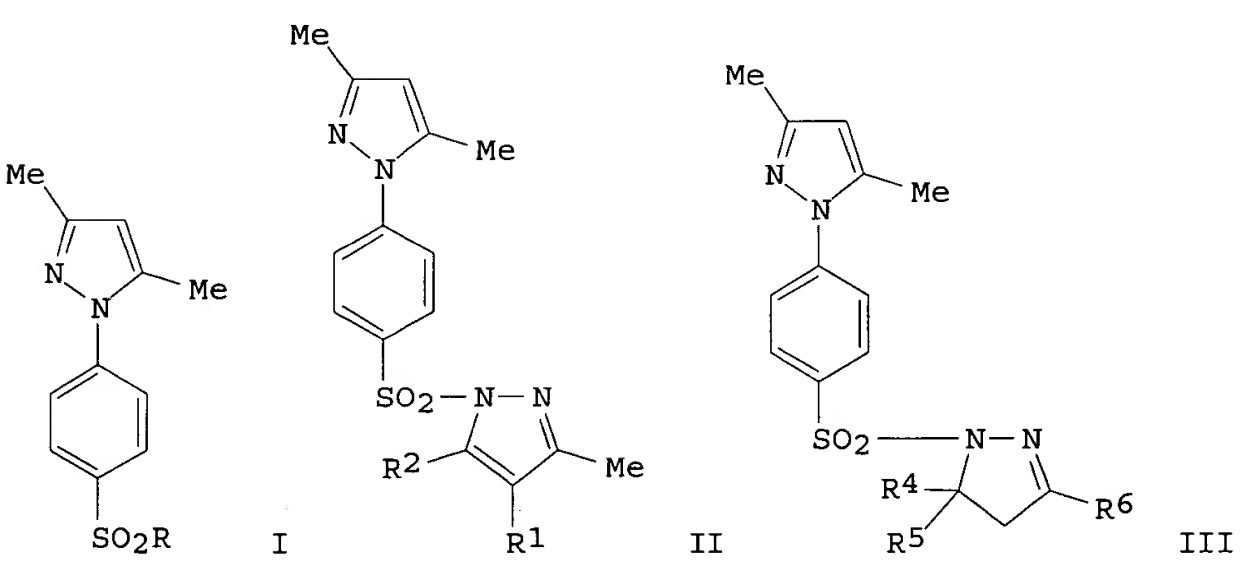
RN 144264-68-6 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3,5-dimethyl-4-(2-methylpropyl)-1-(phenylthioxomethyl)- (9CI) (CA INDEX NAME)



RN 144264-69-7 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3,5-bis(1-methylethyl)-1-(phenylthioxomethyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1990:591226 HCAPLUS
DOCUMENT NUMBER: 113:191226
TITLE: Synthesis of substituted 1H-sulfonylpyrazoles and 1H-sulfonyl-2-pyrazolines and their antibacterial activities
AUTHOR(S): Patel, Himatkumar V.; Fernandes, P. S.
CORPORATE SOURCE: NSR Lab., St. Xavier's Coll., Bombay, 400 001, India
SOURCE: Journal of the Indian Chemical Society (1990), 67(4), 321-3
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:191226
GI

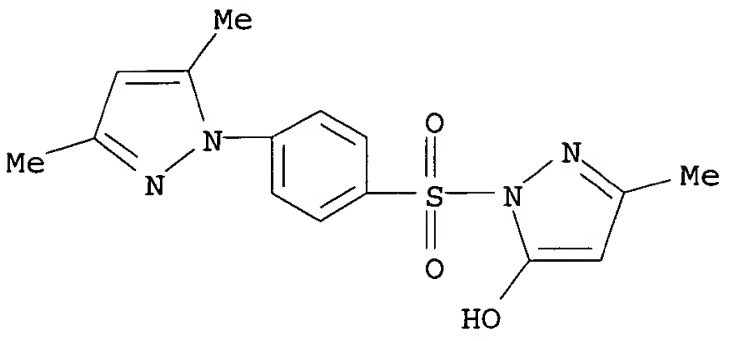


AB Substituted hydrazones I (R = NHN:CMeCHR1COR2; R1 = H, R2 = Me, OEt; R1 = N:NR3, R2 = Me, OEt, R3 = Ph, substituted Ph) were prepared by the reaction of I (R = NH2) with MeCOCHR1COR2. Refluxing the hydrazones in AcOH gave sulfonylpyrazoles II. Reaction of I (R = NH2) with R4R5C:CHCOR6 (R4 = R5 = R6 = Me; R4 = H, R5 = Ph, R5 = Ph, R6 = H, Me, Ph) gave sulfonylpyrazolines III. II and III were tested for antibacterial activity and some showed activity.

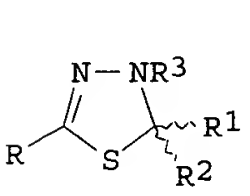
IT **130102-95-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antibacterial activity of)

RN 130102-95-3 HCAPLUS

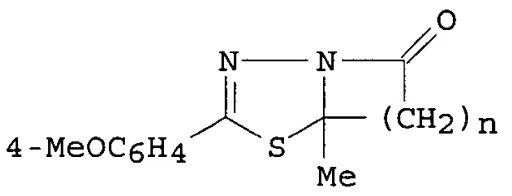
CN 1H-Pyrazol-5-ol, 1-[[4-(3,5-dimethyl-1H-pyrazol-1-yl)phenyl]sulfonyl]-3-methyl- (9CI) (CA INDEX NAME)



L11 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1987:138348 HCAPLUS
DOCUMENT NUMBER: 106:138348
TITLE: Thiadiazoles and dihydrothiadiazoles. Part 5. Synthesis of 2,3-dihydro-1,3,4-thiadiazoles by reaction of aldehydes or ketones with thioaroylhydrazines
AUTHOR(S): Evans, D. Michael; Hill, Lawrence; Taylor, David R.; Myers, Malcolm
CORPORATE SOURCE: Chem. Dep., Univ. Manchester Inst. Sci. Technol., Manchester, M60 1QD, UK
SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1986), (8), 1499-505
CODEN: JCPRB4; ISSN: 0300-922X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 106:138348
GI

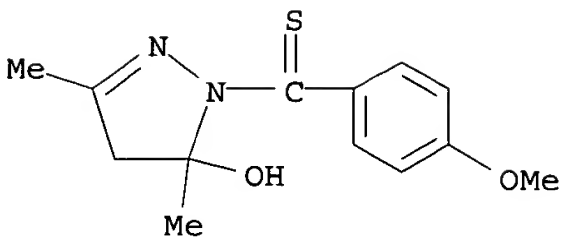


I



II

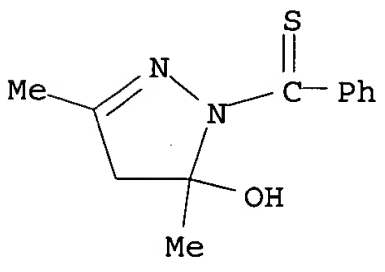
AB 1,3,4-Thiadiazole I [R = Ph, 4-MeOC6H4; R1 = H, Me, Ph; R2 = H, Me, Ph, 4-MeOC6H4, 4-MeC6H4, 4-ClC6H4, CH2COMe, (CH2)2CO2H, (CH2)3CO2H, 2-HOC6H4, R1R2 = (CH2)5, (CH2CH2)2NMe, R3 = H, Ph, CH2Ph, CHMe2] were prepared by condensation of R1R2CO with RCSNHNHR3. The reaction of 4-MeOC6H4CSNHNH2 with MeCO(CH2)n CO2H (n = 2,3) gave I [R = 4-MeOC6H4, R1 = Me; R2 = (CH2)n CO2H; R3 = H], which were cyclized to give lactams II.
IT **107402-80-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 107402-80-2 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-[(4-methoxyphenyl)thioxomethyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



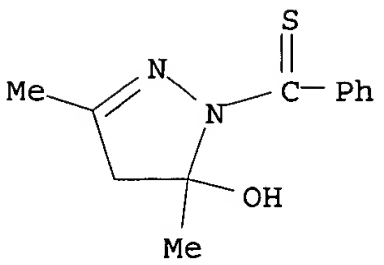
L11 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1985:571065 HCAPLUS
DOCUMENT NUMBER: 103:171065
TITLE: Complex formation and liquid-liquid extraction of tin with potentially tridentate dianionic ligands
AUTHOR(S): Uhlemann, E.; Reichmann, H.; Mehner, H.
CORPORATE SOURCE: Paedagog. Hochsch. "Karl Liebknecht", Potsdam, DDR-1500, Ger. Dem. Rep.
SOURCE: Analytica Chimica Acta (1985), 170(2), 319-24
CODEN: ACACAM; ISSN: 0003-2670
DOCUMENT TYPE: Journal
LANGUAGE: German

AB Square-wave polarog. was used to study the extraction of Sn(IV) from chloride solution with potentially tridentate dianionic ligands, as possible anal. reagents for Sn, under unbuffered conditions. The ligands usually contained enolizable groups or were produced by splitting heterocyclic rings. The most favorable extractant was 2-(2'-hydroxyphenyl)-8-quinolinol, extracting Sn at pH 2-8; all other ligands gave good extraction only at pH 6-8. In the organic phase, 1:1 chelates are formed in all cases. SnL2 and SnCl2L2 complexes were prepared as solid compds. by reactions of SnCl2 and SnCl4 with the ligands. The complexes were characterized by elemental anal., m.p., and their Moessbauer parameters.

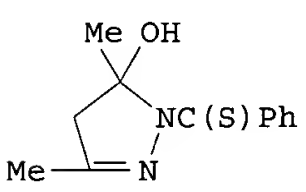
IT **80857-68-7D**, tin complexes
RL: ANT (Analyte); ANST (Analytical study)
(extraction of)
RN 80857-68-7 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3,5-dimethyl-1-(phenylthioxomethyl)- (9CI) (CA INDEX NAME)



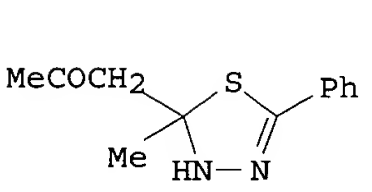
IT **80857-68-7**
RL: ANST (Analytical study)
(in extraction of tin)
RN 80857-68-7 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3,5-dimethyl-1-(phenylthioxomethyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1982:85477 HCAPLUS
DOCUMENT NUMBER: 96:85477
TITLE: Ring-ring tautomerism in 1-thioacyl-5-hydroxy-2-pyrazoline 5-(2-oxoalkyl)-Δ21,3,4-thiadiazoline
AUTHOR(S): Khrustalev, V. A.; Zelenin, K. N.; Alekseev, V. V.
CORPORATE SOURCE: Voen.-Med. Akad im. Kirova, Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1981), 17(11), 2451-2
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 96:85477
GI

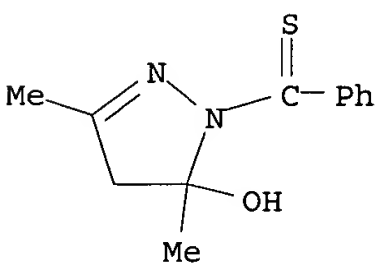


I



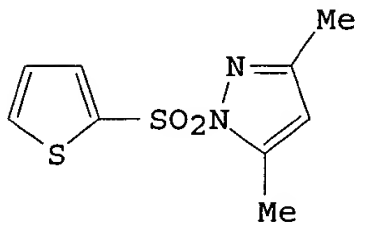
II

AB Spectral data indicated that PhCSNHNH2 and (MeCO)2CH2 reacted to form a product which had structure I in the crystalline state and was a mixture of I and II in solution The content of I increased in the following order of solvents: CD3CN, CDCl3 < CCl4 < CD3OD < DMF-d7.
IT **80857-68-7**
RL: PRP (Properties)
(ring-ring tautomerism of)
RN 80857-68-7 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3,5-dimethyl-1-(phenylthioxomethyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 13 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1982:52222 HCAPLUS
DOCUMENT NUMBER: 96:52222
TITLE: Some heterocyclic sulfonyl chlorides and derivatives

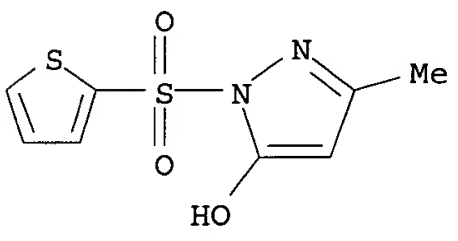
AUTHOR(S): Cremlyn, Richard J.; Swinbourne, Fred J.; Yung, Kin Man
CORPORATE SOURCE: Sch. Nat. Sci., Hatfield Polytech., Hatfield/Herts., UK
SOURCE: Journal of Heterocyclic Chemistry (1981), 18(5), 997-1006
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 96:52222
GI



I

AB The syntheses of 4- and 5-chlorosulfonylfuran-2-carboxylic acid, 4-chlorosulfonylfuran-2-carboxamide, 3,5-dimethylpyrazole and isoxazole-4-sulfonyl chlorides and 2,4-dimethylthiazole-5-sulfonyl chloride are described. The sulfonyl chlorides were converted into a range of amides, hydrazides and azides. Condensation of the sulfonohydrazides with β-dicarbonyl compds. gave the corresponding β-ketohydrazones, most of which were converted to the sulfonylpyrazoles, e.g. I. The structures and spectral data of these compds. are briefly discussed. The reaction of the sodio derivative of acetylacetone with thiophene-2-sulfonyl chloride gave 3-(thiophene-2-sulfonyl)pentane-2,4-dione, which with H2NNH2 gave 4-(thiophene-2-sulfonyl)-3,5-dimethylpyrazole. However, the analogous reaction with thiophene-2-sulfonohydrazide failed to give the expected 1,4-bisthiophenesulfonylpyrazole.

IT **80467-36-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 80467-36-3 HCAPLUS
CN 1H-Pyrazol-5-ol, 3-methyl-1-(2-thienylsulfonyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 14 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1979:195573 HCAPLUS
DOCUMENT NUMBER: 90:195573
TITLE: Diffusion-transfer color photographic material
INVENTOR(S): Anpuku, Yoshitaka; Kanbe, Masaru; Takahashi, Yuji; Deguchi, Hidetaka; Takahashi, Jiro
PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.

CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 53112735	A2	19781002	JP 1977-27851	19770314

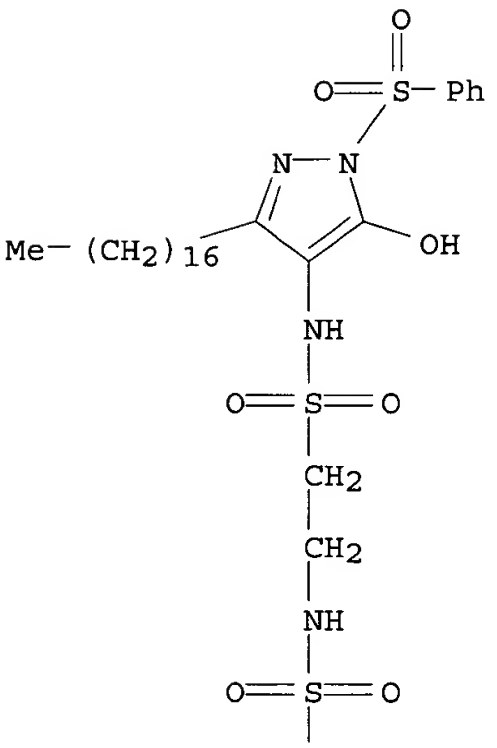
PRIORITY APPLN. INFO.: JP 1977-27851 19770314
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB A diffusion-transfer color photog. material contains a nondiffusible dye-releasing redox compound (DRR compound) of the general formula I [R = H, OH; R1 = CO2H, SO2NH2, SO3H, C2-9 alkyloxycarbonyl; R2 = H, CO2H, SO2NH2, SO3H; R3 = a diffusible dye moiety which is released from I during development; Z = C2-4 alkylene, Z4SO2Z5 (Z4, Z5 = C1-4 alkylene, and Z5 is bonded to R1 above); Z1 = C2-4 alkylene; Z2 = CO, SO2; Z3 = (Z6Z7)uZ8 (Z6, Z8 = C1-6 alkylene, C6-9 phenylene with/without substituents, alkylenephenylene, or phenylenealkylene having C1-4 alkylene and C6-9 phenylene units; Z7 = CO, O2C, CO2, O, S, NHCO, CONH, NHSO2, SO2NH, SO2, SO; u = 0, 1); m, n, p, q, r, s, t = 0, 1; q + r = 1]. The DRR compound releases a dye having excellent color tone, diffusion characteristics, mordanting properties, and lightfastness. Diffusion-transfer color photog. materials containing the above DRR compds. also exhibit good shelflife. The residual optical d. was .apprx.82%. Thus, a film support was coated with (1) a red-sensitive Ag(Br,I) emulsion, (2) a dispersion consisting of the DRR compound II 8.0, di-Bu phthalate 8.0, and gelatin 14 mg/100 cm2, and (3) a protective layer to give a diffusion-transfer photog. photosensitive unit. The photosensitive unit was exposed through an optical wedge, coupled with a conventional image receptor unit, processed with an alkaline processing solution, the receptor sheet peeled off, and the unit exposed to a fadometer for 72 h.

IT **69842-54-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 69842-54-2 HCAPLUS
CN Butanoic acid, 3-[[4-[[3-[[4-[[[2-[[[3-heptadecyl-5-hydroxy-1-(phenylsulfonyl)-1H-pyrazol-4-yl]amino]sulfonyl]ethyl]amino]sulfonyl]phenyl]amino]-1-methyl-3-oxopropyl]amino]-9,10-dihydro-5,8-dihydroxy-9,10-dioxo-1-anthracenyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A



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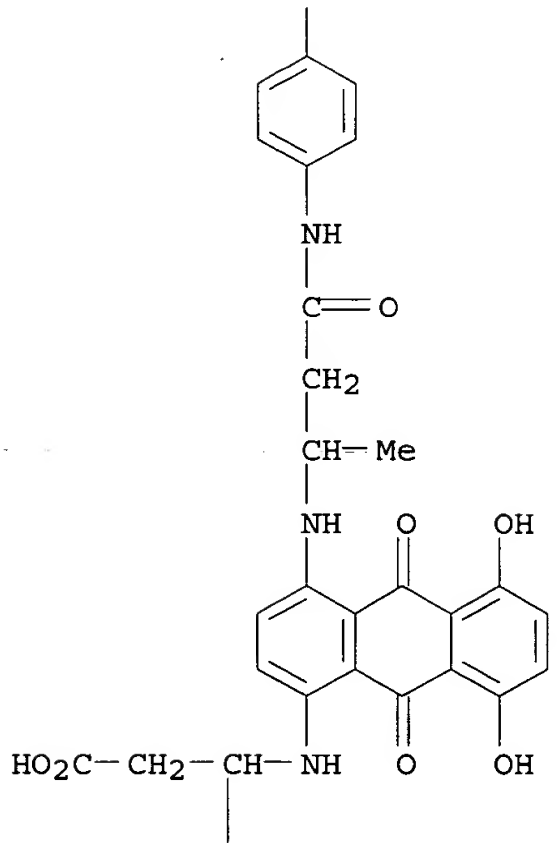
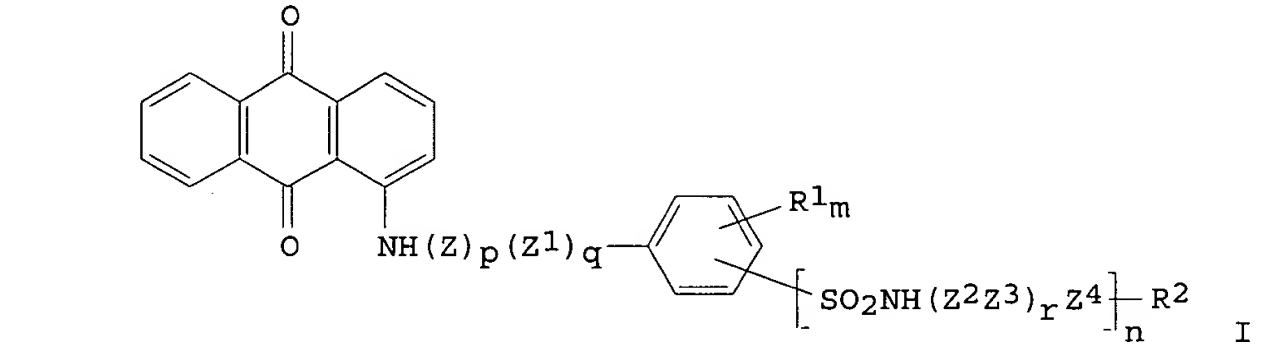


Me

L11 ANSWER 15 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1979:64378 HCAPLUS
DOCUMENT NUMBER: 90:64378
TITLE: Diffusion-transfer color photographic materials
INVENTOR(S): Kobe, Masaru; Yasufuku, Yoshitaka; Aoki, Susumu; Kunieda, Naoshi
PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 53066730	A2	19780614	JP 1976-142050	19761126

PRIORITY APPLN. INFO.: JP 1976-142050 19761126
GI



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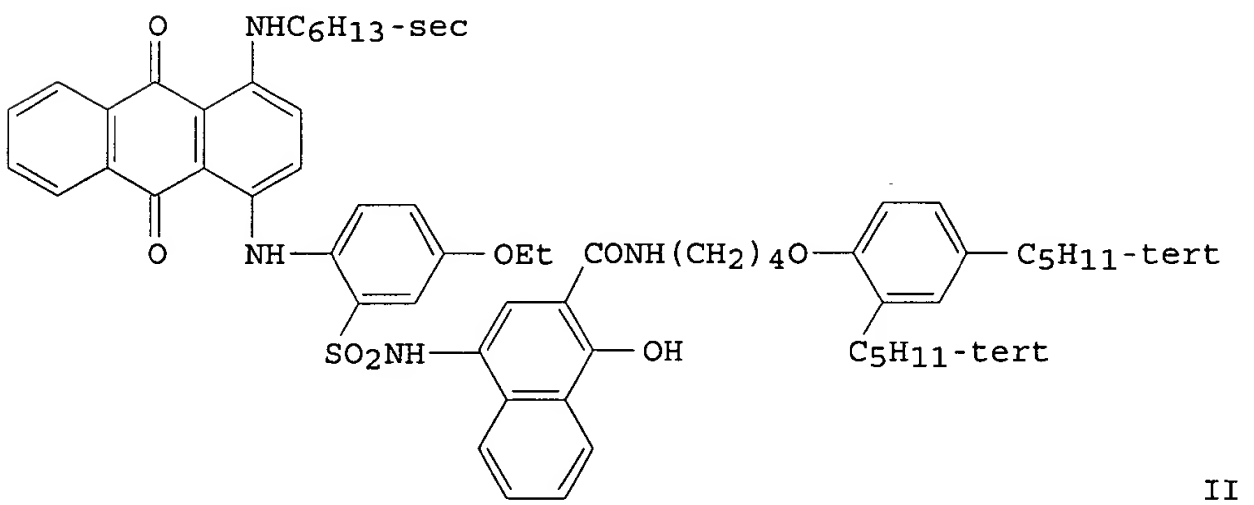


II

AB Diffusion-transfer color photog. materials contain a nondiffusible dye-releasing redox compound of the general formula I [R = H, alkyl, substituted alkyl (substituents selected from OH, CO2H, alkoxy, alkylcarbonyl, alkoxycarbonyl, alkylcarbamoyl, alkylcarboxamido, alkylsulfamoyl, and alkylsulfonamido), cycloalkyl, halocycloalkyl,

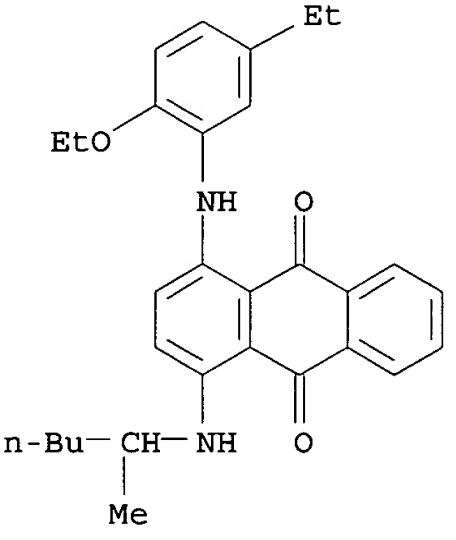
alkylcycloalkyl; and the total number of C atoms in R ≤14; R1 = H, halogen, an organic monovalent moiety containing ≤6 C atoms; m = 0-4; Z = C1-8 alkylene; p = 0, 1; Z1 = O, S; q = 0 when p = 0, q = 0, 1 when p = 1; n = 0, 1; Z2, Z4 = C1-6 alkylene, C6-9 phenylene or substituted phenylene, alkylenephenylene with C1-4 alkylene and C6-9 phenylene groups; Z3 = carbonyl, carbonyloxy, oxycarbonyl, carbamoyl, carboxamido, sulfamoyl, sulfonamido, sulfonyl, sulfinyl, O, S; r = 0-3; R2 = dye moiety which is released as a result of oxidation in the presence of an alkaline substance]. The above compds. release dyes having good diffusibility, color tone, mordanting properties, and excellent lightfastness. The diffusion-transfer photog. materials also have an excellent shelf life. Thus, a poly(ethylene terephthalate) film support was coated with (1) a red-sensitive Ag(Br,I) emulsion, (2) a dispersion containing II (8.0 mg/100 cm2), and (3) a protective layer to give a photog. film. The photog. film was sensitometrically exposed, then a receptor unit was placed on the exposed film, and the unit processed with an alkaline processing solution to give cyan images whose optical d. did not change even after 72 h exposure to a fadeometer.

IT **68923-51-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

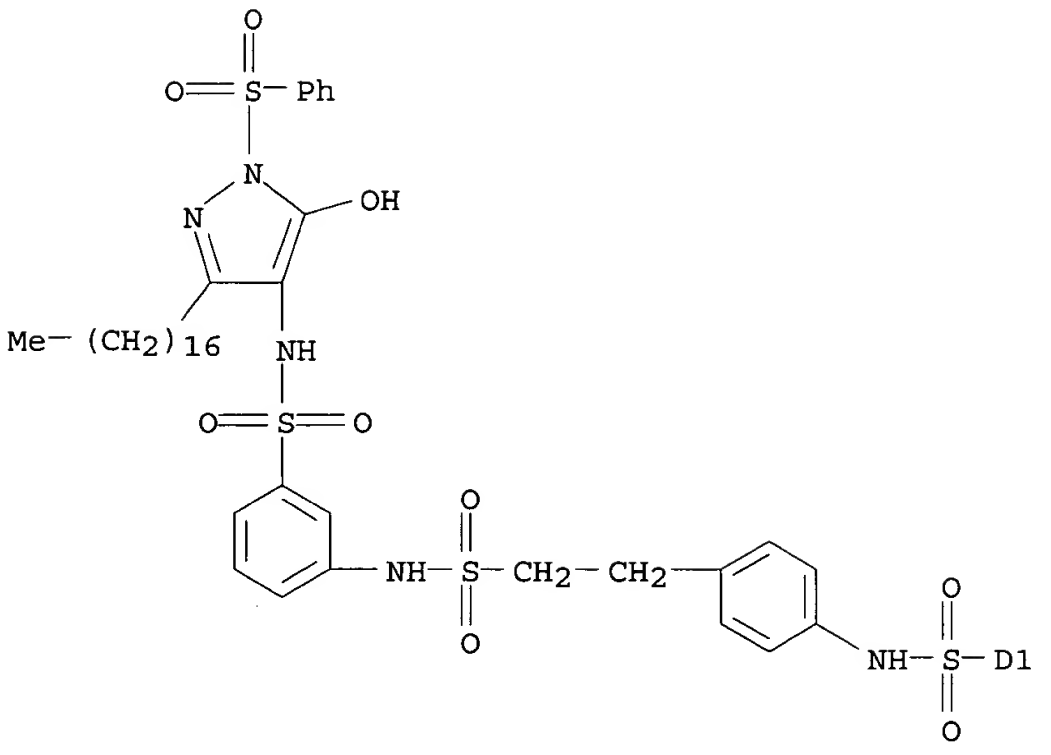
RN 68923-51-3 HCAPLUS

CN Benzeneethanesulfonamide, 4-[[[[[9,10-dihydro-4-[(1-methylpentyl)amino]-9,10-dioxo-1-anthracenyl]amino]ethoxyethylphenyl]sulfonyl]amino]-N-[3-[[[3-heptadecyl-5-hydroxy-1-(phenylsulfonyl)-1H-pyrazol-4-yl]amino]sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



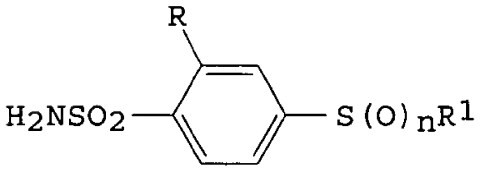
PAGE 2-A



L11 ANSWER 16 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1977:584477 HCAPLUS
DOCUMENT NUMBER: 87:184477
TITLE: Benzene sulfonamides
INVENTOR(S): Dickinson, Roger P.; Barnish, Ian T.; Cross, Peter E.
PATENT ASSIGNEE(S): Pfizer Ltd., UK
SOURCE: Brit., 17 pp.
CODEN: BRXXAA
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1472843	A	19770511	GB 1975-6500	19760212

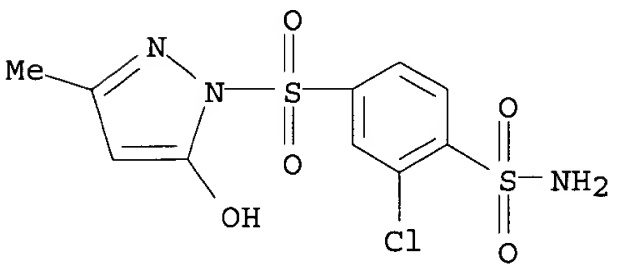
PRIORITY APPLN. INFO.: GB 1975-6500 19760212
GI



I

AB Twenty-seven title compds. I (R = H, Cl; R1 = heterocyclic moiety, n = 0, 2), useful as anticonvulsants and/or cerebral vasodilators (no data), were prepared from 4-sulfamoylbenzenesulfonyl compds. by condensation or cyclocondensation reactions or from 3-RC6H4SR1 by sulfamoylation followed, if necessary, by KMnO4 oxidation Thus, I (R = Cl, R1 = 5-hydroxy-3-methylpyrazol-1-yl, n = 2) was prepared from 3,4-Cl(H2NSO2)C6H3SO2Cl by stirring with 5-hydroxy-3-methylpyrazole in pyridine at room temperature
IT **64383-00-2P**

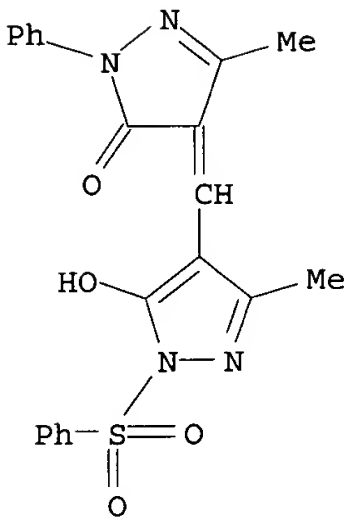
RL: SPN (Synthetic preparation); PREP (Preparation)
(cerebral vasodilator, preparation of)
RN 64383-00-2 HCAPLUS
CN Benzenesulfonamide, 2-chloro-4-[(5-hydroxy-3-methyl-1H-pyrazol-1-yl)sulfonyl]- (9CI) (CA INDEX NAME)



L11 ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1967:465090 HCAPLUS
DOCUMENT NUMBER: 67:65090
TITLE: Pyrazolone stabilizers for poly-α-olefins
INVENTOR(S): Harris, Raymond Clement; Newland, Gordon C.
PATENT ASSIGNEE(S): Eastman Kodak Co.
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3325445		19670613	US	19630611

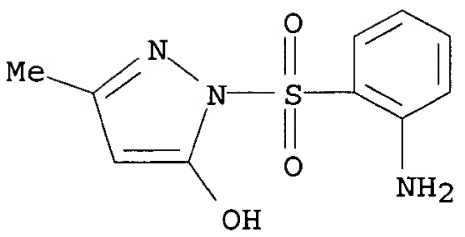
GI For diagram(s), see printed CA Issue.
AB The stabilizers have the general formula I. Thus, low-d. polyethylene (II) of melt index 2 was compounded (roll temps. 220°F. and 270°F.) with 1% I (R1 = R4 = Ph, R2 = R3 = Me) for 4 min. and molded into 125-mil thick sheets. When exposed, under stress, to natural weathering and to a Twin-Arc Weather-Ometer, >24 months and 3000 hrs., resp., were required before cracking occurred, compared with 12 months and 330 hrs. for control (II with no additive). No color change occurred. I (R1 = Ph, R2 = Me, R3 = iso-Bu, R4 = H) was used similarly to stabilize II. Similarly used to stabilize polypropylene (III), a 15:85 butene-propylene copolymer, and a 20:80 ethylene-propylene copolymer were the following I (R1-4, resp., given): Ph, Me, Me, Ph; Ph, Me, iso-Bu, H; Ph, Me, NH2, Ph; Ph, Me, CF3, H; Ph, Me, CO2H, Ph. Also used to stabilize III were the following I (R1-4, resp., given): Ph, Ph, iso-Bu, H; Ph, Me, Ph, H; Ph, Me, Ph, CH2CH2OH; Ph, Me, Me, SO2Ph; Ph, Me, Me, p-O2NC6H4; Ph, Me, CO2Et, Ph; Ph, Me, CO2Et, H.
IT **17517-04-3**
RL: USES (Uses)
(as ultraviolet stabilizer for olefin polymers)
RN 17517-04-3 HCAPLUS
CN 2-Pyrazolin-5-one, 4-[[5-hydroxy-3-methyl-1-(phenylsulfonyl)pyrazol-4-yl]methylene]-3-methyl-1-phenyl- (8CI) (CA INDEX NAME)



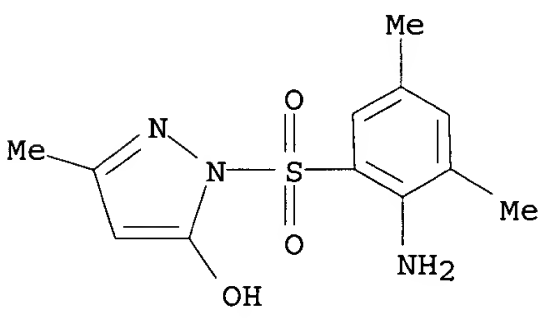
L11 ANSWER 18 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1964:75439 HCAPLUS
DOCUMENT NUMBER: 60:75439
ORIGINAL REFERENCE NO.: 60:13260f-h,13261a
TITLE: Pyrazolo[1,5-b]-1,2,4-benzothiadiazine 1,1-dioxides
INVENTOR(S): Hanke, Hans G.; Menzel, Karl H.; Wolfrum, Gerhard; Puetter, Rolf
PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.
SOURCE: 20 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 628115		19630529	BE	

PRIORITY APPLN. INFO.: DE 19620208
GI For diagram(s), see printed CA Issue.
AB The title compds. (I), useful as intermediates in the preparation of azo dyes and developers in color photography, could be prepared by acid cyclization of o-aminophenylsulfonylpyrazolones (II). To AcCH2CO2Et 65 (volume) was added 2-O2NC6H4SO2NHNH2 108.5 (weight) in MeOH 700 (volume), anhydrous Na2CO3 53 (weight) added, the mixture stirred 12 hrs. at room temperature, filtered, the filtrate diluted with MeOH to 1800 parts (volume), and the solution hydrogenated over Raney Ni at 30-40°/20 atmospheric to give II (R = H,R1 = Me) (III) 101 parts (weight). Similarly prepared was II (R = 3,5-Me2, R1 = Me), m. 153-4°. To III 64 in H2O 300 (volume) was added concentrated HCl 50 and the suspension heated 30 min. at 70° to give I (R = H, R1 = Me, R2 = H) (IV) 48 parts (weight), m. 282-3° (alc.). NaNO2 in H2O was added to IV in 4% NaOH, and 20% H2SO4 added dropwise at 0-5° to give I (R = H, R1 = Me, R2 = NO), m. 185-90°, which was dissolved in tetrahydrofuran, the pH brought to 7.5 with 25% NH4OH, and the solution hydrogenated at 40°/50 atmospheric over Raney Ni to give I (R = H,R1 = Me, R2 = NH2). The following I were similarly prepared (R, R1, R2, and m.p. given): 5,7-Me2, Me, H, 265-7°; 6,7-ClMe, Me, H, 279-81°; H, Ph, H, 275-6°; 7-O2N, Me, H, 304-7°; 6-Cl, Me, H, 279-81°; H, CH2CO2Et, H, 132-4°; H, CH2CO2H, H, 195-7°.
IT **90840-83-8**, Pyrazol-5-ol, 1-[(o-aminophenyl)sulfonyl]-3-methyl-
91643-84-4, Pyrazol-5-ol, 1-[(2-amino-3,5-xylyl)sulfonyl]-3-methyl-
(preparation of)
RN 90840-83-8 HCAPLUS
CN Pyrazol-5-ol, 1-[(o-aminophenyl)sulfonyl]-3-methyl- (7CI) (CA INDEX NAME)



RN 91643-84-4 HCAPLUS
CN Pyrazol-5-ol, 1-[(2-amino-3,5-xylyl)sulfonyl]-3-methyl- (7CI) (CA INDEX NAME)



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7/9/15 (Item 15 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

07851042 Genuine Article#: 215WX Number of References: 12
Title: Reactions of aryl aryloxyacet hydrazides with acetylenic ketones
Author(s): **Kalluraya B (REPRINT)** ; DSouza A; Isloor AM
Corporate Source: MANGALORE UNIV,DEPT STUDIES CHEM/MANGALAGANGOTHRI 574199//INDIA/ (REPRINT); ST PHILOMENAS COLL,DEPT CHEM/MYSORE/KARNATAKA/INDIA/
Journal: **INDIAN JOURNAL OF HETEROCYCLIC CHEMISTRY**, 1999, V8, N4 (APR-JUN), P309-314
ISSN: 0971-1627 Publication date: 19990400
Publisher: DR R S VARMA, C-85 SECTOR-B, ALIGANJ SCHEME, LUCKNOW, IN 226020
Language: English Document Type: ARTICLE
Geographic Location: INDIA
Subfile: CC PHYS--Current Contents, Physical, Chemical & Earth Sciences
Journal Subject Category: CHEMISTRY, ORGANIC
Abstract: Unexpectedly 1-aroyl/aryloxyacetyl-3-(5-nitro-2-thienyl)-5-aryl-5-hydroxy pyrazolines (6) were obtained by the reaction of 1-aryl-3-(5-nitro-2-thienyl)-2-propyne-1-one(3) with aryl/aryloxy acethydrazides (5). Studies for the conversion of hydroxypyrazolines (6) to pyrazoles (7) revealed that the carbonyl group in the hydrazides (5) is responsible for the formation of hydroxy pyrazolines. The new compounds were screened for their antifungal activity.
Cited References:
BADDAR FG, 1976, V13, P257, J HETEROCYCLIC CHEM
COLINS CH, 1970, P84, LAB TECHNIQUES SERIE
ELGUERO J, 1984, P5, COMPREHENSIVE HETERO
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KALLURAYA B, 1996, V135, P239, B CHIM FARM
KALLURAYA B, 1995, V34, P939, INDIAN J CHEM B
MIURA K, 1967, V5, P320, PROGR MED CHEM
RAO KS, 1994, V4, P19, INDIAN J HETEROCY CH
SHARMA TC, 1971, V9, P794, INDIAN J CHEM
SHARMA TC, 1972, V11, P48, INDIAN J CHEM
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 7 Jul 2004  VOL 141 ISS 2
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 This file contains CAS Registry Numbers for easy and accurate
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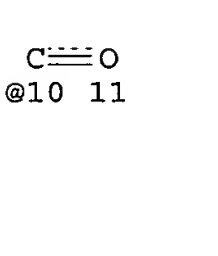

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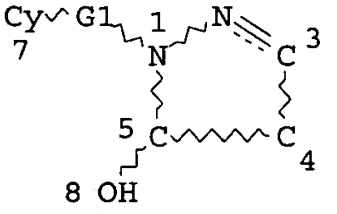


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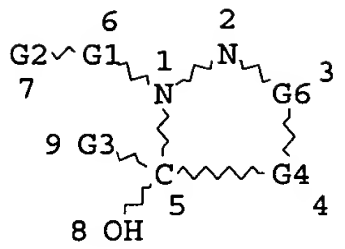

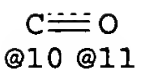

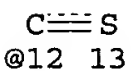

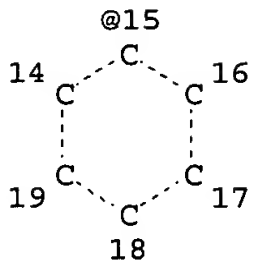

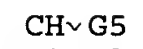

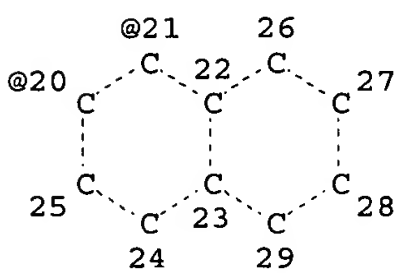

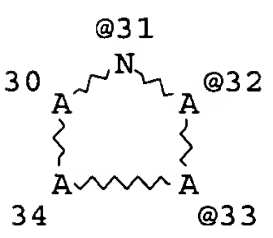

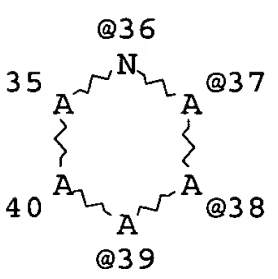

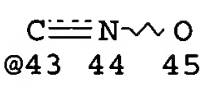

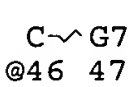

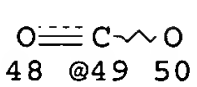

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=> d ibib abs hitrn l15 1-4

L15 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:356232 HCAPLUS
DOCUMENT NUMBER: 138:362635
TITLE: Opioid inhibitors of ABC drug transporters in microbial cells, and use with antimicrobial compounds for the treatment of microbial infections
INVENTOR(S): Schoenhard, Grant L.
PATENT ASSIGNEE(S): Pain Therapeutics, Inc., USA
SOURCE: PCT Int. Appl., 131 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003037310	A2	20030508	WO 2002-US17153	20020531
WO 2003037310	A3	20030918		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003130171	A1	20030710	US 2001-107	20011030

PRIORITY APPLN. INFO.: US 2001-107 A 20011030
OTHER SOURCE(S): MARPAT 138:362635

AB The invention relates to microbial infections, including those involving multidrug resistance and, in particular, to opioid compds. that are inhibitors of drug transporters of the ABC protein superfamily. The invention provides methods of treating microbial infections using antimicrobial agents and opioid inhibitors of such transporters. The invention also provides methods for selecting or identifying compds. for the ability to inhibit drug transporter proteins, as well as methods for inhibiting drug transporter proteins. The invention discloses the use of opioid receptor antagonists in the treatment of microbial infections, including multidrug-resistant microbial infections.

IT **263699-70-3 263699-84-9 311784-95-9**
312531-53-6 331835-05-3 333442-74-3
333442-75-4 333442-81-2 333770-57-3
333770-66-4 333771-02-1 333771-03-2
333771-06-5 335206-28-5 337353-98-7
346633-91-8 352520-81-1 358355-24-5
358355-25-6 358355-46-1 364340-96-5
364341-07-1 364616-25-1 387829-00-7
402612-66-2 415944-49-9 425390-41-6
432492-00-7 432492-01-8 521282-34-8
RL: PRP (Properties)
(opioid inhibitors of ABC drug transporters in microbial cells, and use with antimicrobial compds. for treatment of microbial infections)

L15 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:596735 HCAPLUS
DOCUMENT NUMBER: 138:238061
TITLE: Synthesis and biological properties of some pyrazoline derivatives
AUTHOR(S): Kalluraya, Balakrishna; Chimabalkar, Ramesh; Rai, Ganesh; Gururaja, R.; Shenoy, Shalini
CORPORATE SOURCE: Department of studies in chemistry, Mangalore University, Mangalagangotri, 574 199, India
SOURCE: Journal of Indian Council of Chemists (2001), 18(2), 39-43
CODEN: JICCE7; ISSN: 0971-5037
PUBLISHER: Indian Council of Chemists
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 138:238061

AB A series of 1-nicotinoly-3,5-diaryl-5-hydroxypyrazolines and

1-nicotinoyl-3,5-diaryl-pyrazoles were synthesized by the reaction of appropriate chalcone dibromides with nicotinic hydrazide. The new compds. were screened for their antibacterial and **antifungal** activities. Most of the compds. showed significant antibacterial activity.

IT **501928-80-9P 501928-81-0P 501928-84-3P**
501928-86-5P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis and antibacterial or **antifungal** activity of some nicotinyl pyrazoline derivs.)

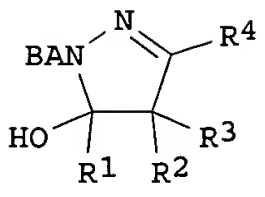
IT **501928-82-1P 501928-83-2P 501928-85-4P**
501928-87-6P 501928-88-7P 501928-89-8P
501928-90-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis and antibacterial or **antifungal** activity of some nicotinyl pyrazoline derivs.)

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:241197 HCAPLUS
DOCUMENT NUMBER: 132:279215
TITLE: Preparation of 5-hydroxypyrazoles as agrochemical **fungicides.**
INVENTOR(S): Gypser, Andreas; Kirstgen, Reinhard; Sauter, Hubert; Bayer, Herbert; Cullmann, Oliver; Gewehr, Markus; Grammenos, Wassilios; Muller, Bernd; Ptock, Arne; Tormo i Blasco, Jordi; Ammermann, Eberhard; Grote, Thomas; Lorenz, Gisela; Strathmann, Siegfried
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany; et al.
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000020399	A2	20000413	WO 1999-EP7125	19990924
WO 2000020399	A3	20000727		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9961965	A1	20000426	AU 1999-61965	19990924
EP 1117650	A2	20010725	EP 1999-948860	19990924
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002526536	T2	20020820	JP 2000-574516	19990924

PRIORITY APPLN. INFO.: DE 1998-19845509 A 19981002
WO 1999-EP7125 W 19990924
OTHER SOURCE(S): MARPAT 132:279215
GI



I

AB Use of title compds. [I; B = aryl, heteroaryl; A = CO, CS, SO2; R1 = alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, cycloalkyl, cycloalkenyl, cycloalkynyl, aryl, heterocyclyl, heteroaryl; R2 = H; R3 = H, NO2, cyano, N(R')2, alkyl, haloalkyl, alkoxy, haloalkoxy, alkenyl, haloalkenyl, alkynyl, haloalkynyl; R' = H, alkyl; R2R3 = O, S, NOR5; R5 = H, alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl; R4 = H, halo, NO2, cyano, N(R')2, alkyl, haloalkyl, CO2R', heteroaryl, heterocyclyl], for combating harmful **fungi** is claimed. Thus, reaction of 4-bromobenzoic acid hydrazide with 5,5,6,6,6-pentafluoro-2,4-hexanedione gave 5-hydroxy-5-(1,1,1,2,2-pentafluoroethyl)-3-methyl-4,5-dihydropyrazol-1-yl-4-bromophenylmethanone. The latter at 250 ppm reduced incidence of Phytophthora infestans on tomatoes to ≤20%, vs. 100% for untreated controls.

IT **78051-39-5P 78051-40-8P 82366-05-0P**
82366-25-4P 82366-26-5P 82366-30-1P
92916-81-9P 92916-82-0P 92916-85-3P
113307-79-2P 148843-67-8P 203200-71-9P
203200-72-0P 203200-73-1P 203200-92-4P
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263700-69-2P 263700-70-5P 263700-71-6P
263700-72-7P 263700-73-8P 263700-74-9P
263700-75-0P 263700-76-1P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-hydroxypyrazoles as agrochem. **fungicides**)

L15 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:480555 HCAPLUS
DOCUMENT NUMBER: 131:271830
TITLE: Reactions of aryl/aryloxyacet hydrazides with acetylenic ketones
AUTHOR(S): Kalluraya, Balakrishna; D'Souza, Alphonsus; Isloor, Arun M.
CORPORATE SOURCE: Department of Studies in Chemistry, Mangalore University, Mangalagangothri, 574 199, India
SOURCE: Indian Journal of Heterocyclic Chemistry (1999), 8(4), 309-314
CODEN: IJCHEI; ISSN: 0971-1627
PUBLISHER: Prof. R. S. Varma
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Unexpectedly 5-aryl-3-(5-nitro-2-thienyl)-1H-pyrazoles and 5-aryl-4,5-dihydro-3-(5-nitro-2-thienyl)-1H-pyrazol-5-ol derivs. were obtained by the reaction of 1-aryl-3-(5-nitro-2-thienyl)-2-propyne-1-one with acetyl hydrazines. Studies for the conversion of hydroxypyrazolines to pyrazoles revealed that the carbonyl group in the hydrazides is responsible for the formation of hydroxy pyrazolines. The new compds. were screened for their **antifungal** activity.
IT **245555-43-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(preparation and **fungicidal** activity of (nitrothienyl)pyrazole derivs.)
IT **245555-39-9P 245555-41-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and **fungicidal** activity of (nitrothienyl)pyrazole derivs.)
IT **245555-45-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of)
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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E1 THROUGH E45 ASSIGNED

=> select hit rn l15 3
E46 THROUGH E209 ASSIGNED

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FILE 'REGISTRY' ENTERED AT 14:31:50 ON 07 JUL 2004
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DICTIONARY FILE UPDATES:   6 JUL 2004  HIGHEST RN 705249-96-3

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http://www.cas.org/ONLINE/DBSS/registryss.html

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L16  ANSWER 1 OF 45  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   521282-34-8  REGISTRY
CN   1H-Pyrazol-5-ol, 4,5-dihydro-1-(3-hydroxy-2-methylbenzoyl)-3-propyl-5-
     (trifluoromethyl)- (9CI)  (CA INDEX NAME)
FS   3D CONCORD
MF   C15 H17 F3 N2 O3
SR   CA
LC   STN Files:   CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA  CAplus document type:  Patent
RL.P   Roles from patents:  PRP (Properties)
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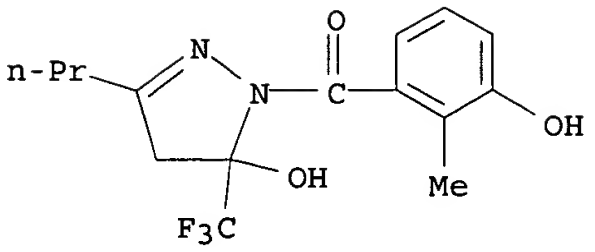


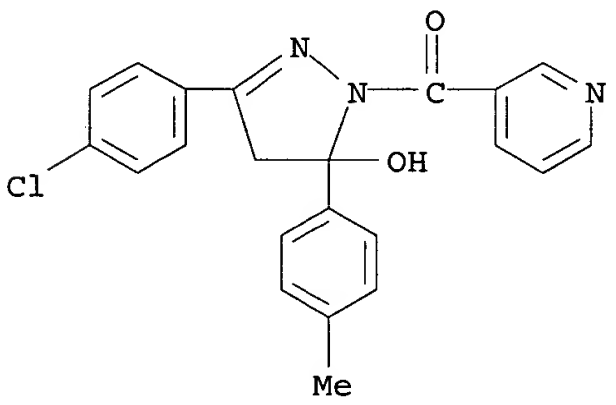
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

L16 ANSWER 2 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-90-1** REGISTRY
CN 1H-Pyrazol-5-ol, 3-(4-chlorophenyl)-4,5-dihydro-5-(4-methylphenyl)-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H18 Cl N3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)



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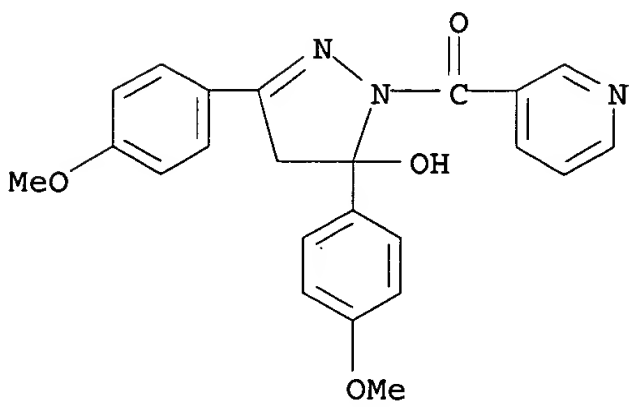
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 3 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-89-8** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3,5-bis(4-methoxyphenyl)-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H21 N3 O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal

RL.NP Roles from non-patents: PREP (Preparation)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 4 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-88-7** REGISTRY
CN 1H-Pyrazol-5-ol, 3-(2-chlorophenyl)-5-(4-chlorophenyl)-4,5-dihydro-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H15 Cl2 N3 O2
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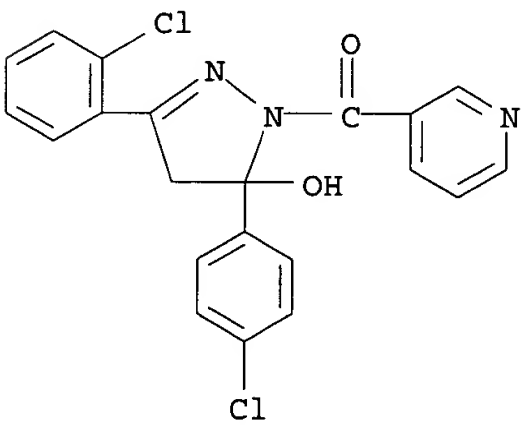
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)



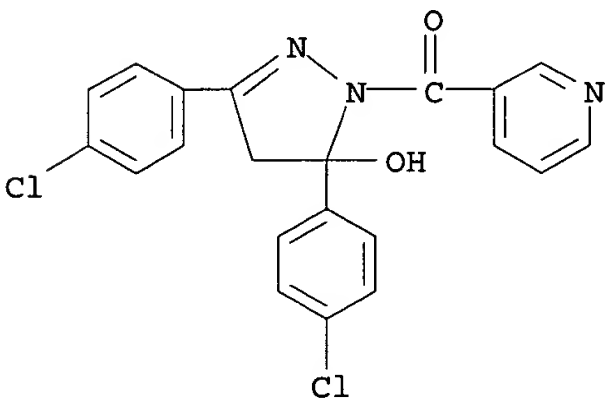
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 5 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-87-6** REGISTRY
CN 1H-Pyrazol-5-ol, 3,5-bis(4-chlorophenyl)-4,5-dihydro-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)

FS 3D CONCORD
MF C21 H15 Cl2 N3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

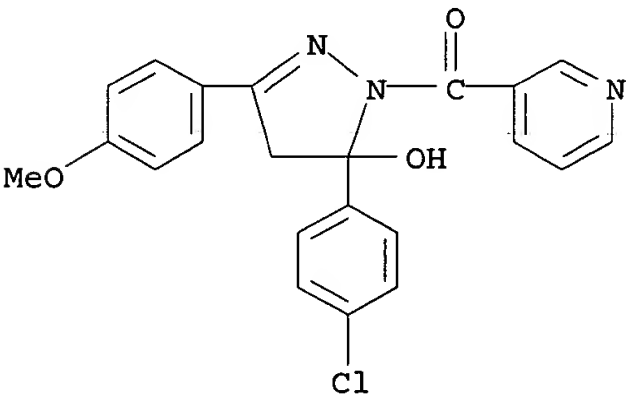


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 6 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-86-5** REGISTRY
CN 1H-Pyrazol-5-ol, 5-(4-chlorophenyl)-4,5-dihydro-3-(4-methoxyphenyl)-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H18 Cl N3 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)



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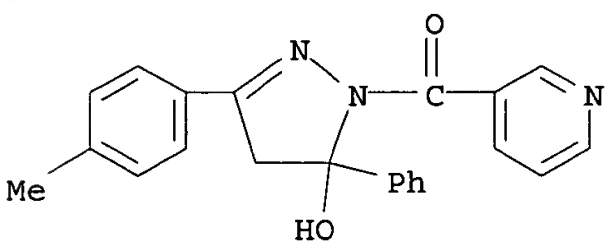
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 7 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-85-4** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H19 N3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

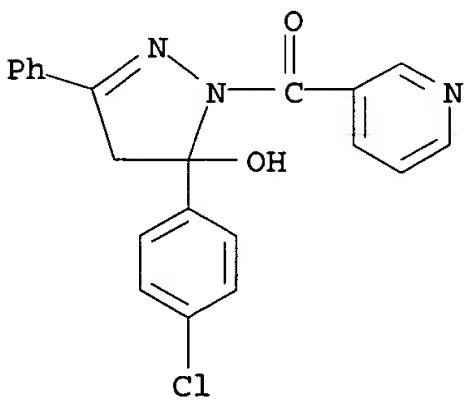


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 8 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-84-3** REGISTRY
CN 1H-Pyrazol-5-ol, 5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H16 Cl N3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

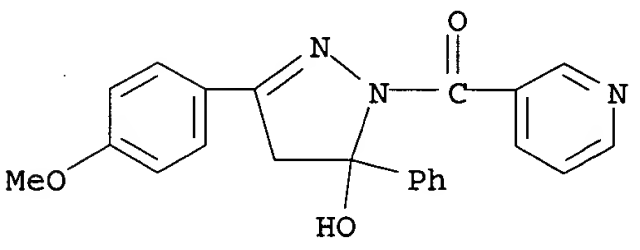


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 9 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-83-2** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H19 N3 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

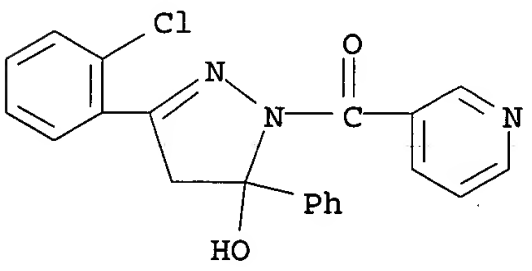


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 10 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-82-1** REGISTRY
CN 1H-Pyrazol-5-ol, 3-(2-chlorophenyl)-4,5-dihydro-5-phenyl-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H16 Cl N3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)



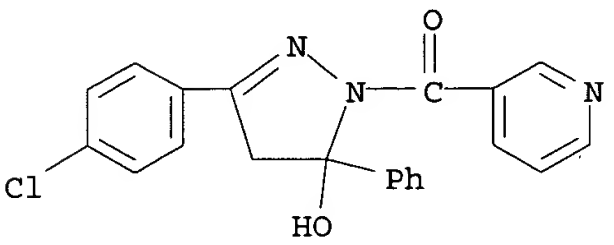
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 11 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-81-0** REGISTRY
CN 1H-Pyrazol-5-ol, 3-(4-chlorophenyl)-4,5-dihydro-5-phenyl-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)

FS 3D CONCORD
MF C21 H16 Cl N3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

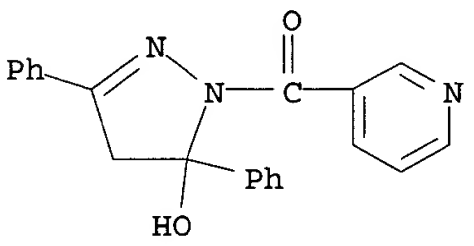


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 12 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **501928-80-9** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3,5-diphenyl-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H17 N3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)



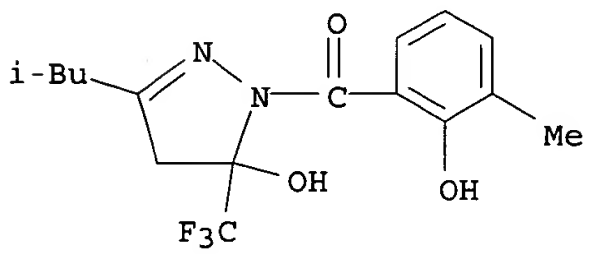
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:238061

L16 ANSWER 13 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **432492-01-8** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-3-(2-methylpropyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H19 F3 N2 O3
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

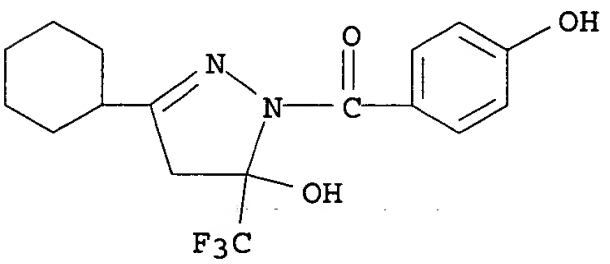
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 14 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **432492-00-7** REGISTRY
CN 1H-Pyrazol-5-ol, 3-cyclohexyl-4,5-dihydro-1-(4-hydroxybenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H19 F3 N2 O3
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

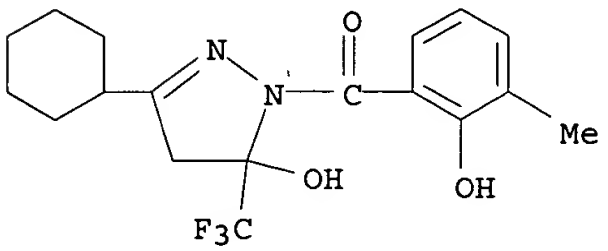
REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 15 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **425390-41-6** REGISTRY

CN 1H-Pyrazol-5-ol, 3-cyclohexyl-4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H21 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

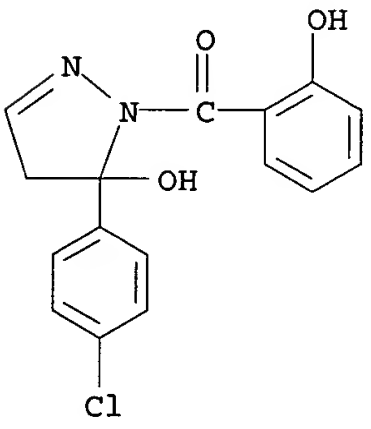
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 16 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **415944-49-9** REGISTRY
CN 1H-Pyrazol-5-ol, 5-(4-chlorophenyl)-4,5-dihydro-1-(2-hydroxybenzoyl)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H13 Cl N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

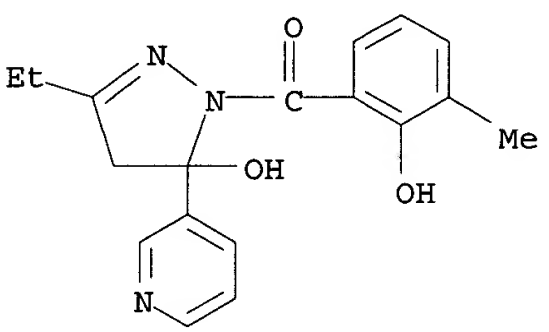
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 17 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **402612-66-2** REGISTRY
CN 1H-Pyrazol-5-ol, 3-ethyl-4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-5-(3-pyridinyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H19 N3 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

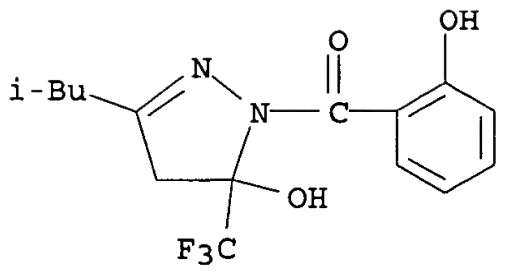
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 18 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **387829-00-7** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxybenzoyl)-3-(2-methylpropyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H17 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

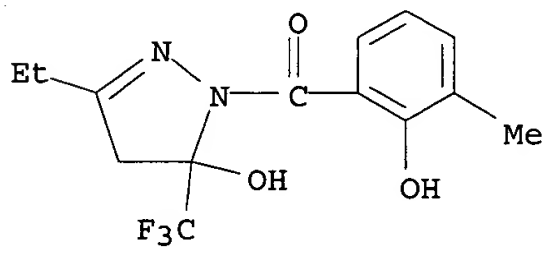
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 19 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **364616-25-1** REGISTRY
CN 1H-Pyrazol-5-ol, 3-ethyl-4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H15 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

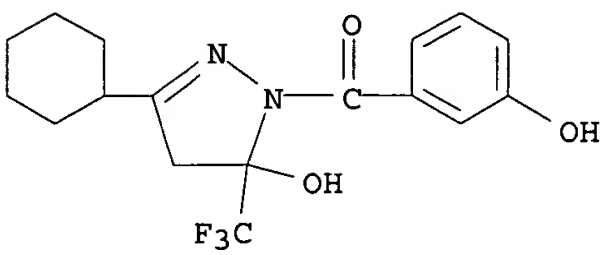
REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 20 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **364341-07-1** REGISTRY
CN 1H-Pyrazol-5-ol, 3-cyclohexyl-4,5-dihydro-1-(3-hydroxybenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD

MF C17 H19 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

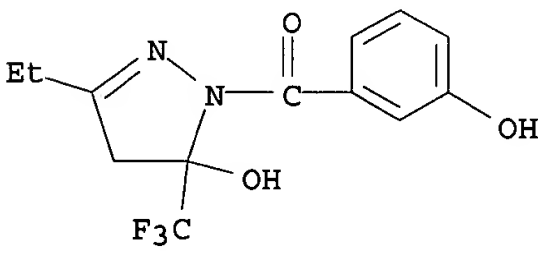
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 21 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **364340-96-5** REGISTRY
CN 1H-Pyrazol-5-ol, 3-ethyl-4,5-dihydro-1-(3-hydroxybenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H13 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

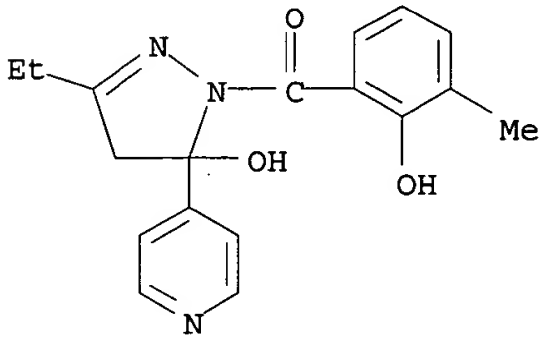
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 22 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **358355-46-1** REGISTRY
CN 1H-Pyrazol-5-ol, 3-ethyl-4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-5-(4-pyridinyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H19 N3 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

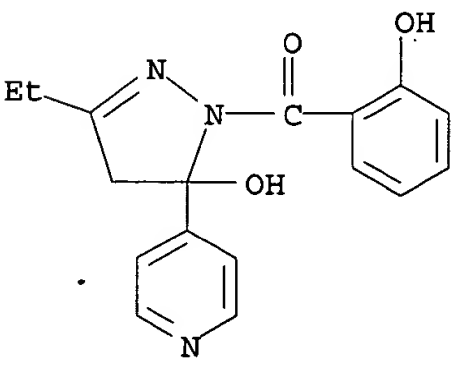
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 23 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **358355-25-6** REGISTRY
CN 1H-Pyrazol-5-ol, 3-ethyl-4,5-dihydro-1-(2-hydroxybenzoyl)-5-(4-pyridinyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H17 N3 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

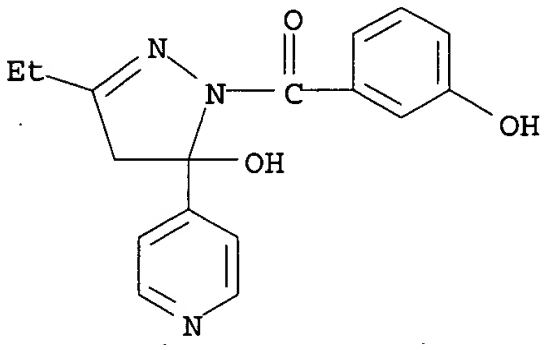
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 24 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **358355-24-5** REGISTRY
CN 1H-Pyrazol-5-ol, 3-ethyl-4,5-dihydro-1-(3-hydroxybenzoyl)-5-(4-pyridinyl)-
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H17 N3 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES
(Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

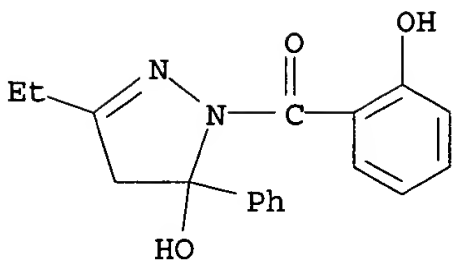
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 25 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **352520-81-1** REGISTRY
CN 1H-Pyrazol-5-ol, 3-ethyl-4,5-dihydro-1-(2-hydroxybenzoyl)-5-phenyl- (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF C18 H18 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES
(Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

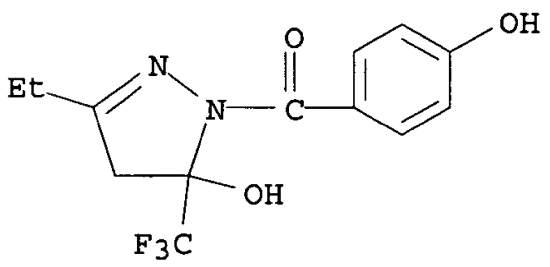
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 26 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **346633-91-8** REGISTRY
CN 1H-Pyrazol-5-ol, 3-ethyl-4,5-dihydro-1-(4-hydroxybenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H13 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

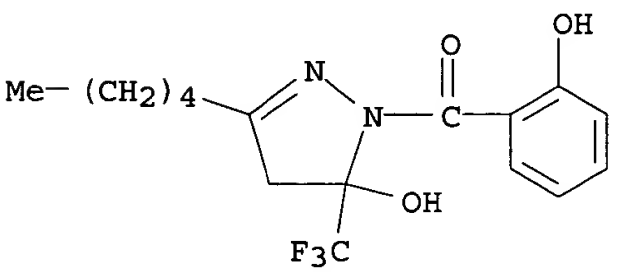
REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 27 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **337353-98-7** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxybenzoyl)-3-pentyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H19 F3 N2 O3

SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

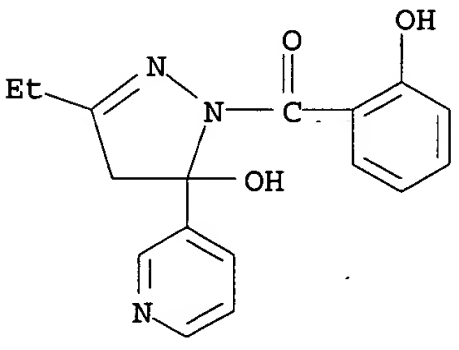
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 28 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **335206-28-5** REGISTRY
CN 1H-Pyrazol-5-ol, 3-ethyl-4,5-dihydro-1-(2-hydroxybenzoyl)-5-(3-pyridinyl)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H17 N3 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

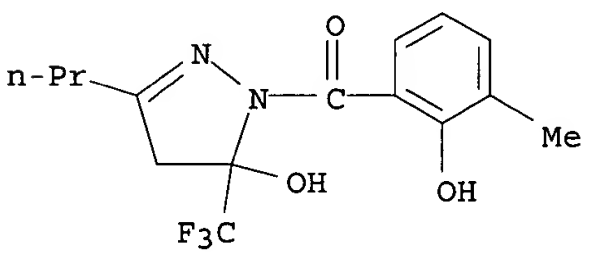
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 29 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **333771-06-5** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-3-propyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H17 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

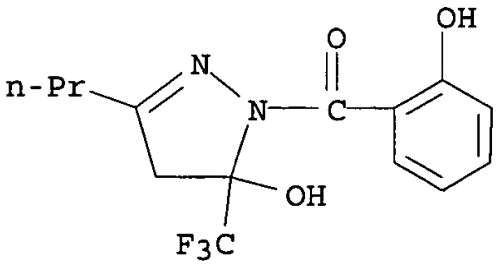
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 30 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **333771-03-2** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxybenzoyl)-3-propyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H15 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



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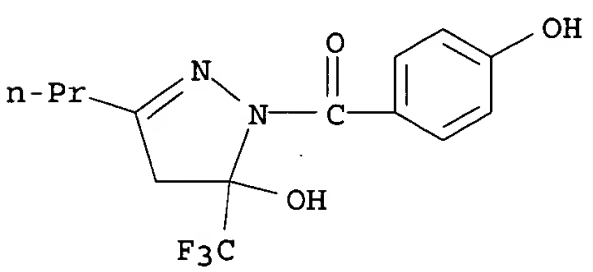
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 31 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **333771-02-1** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(4-hydroxybenzoyl)-3-propyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H15 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



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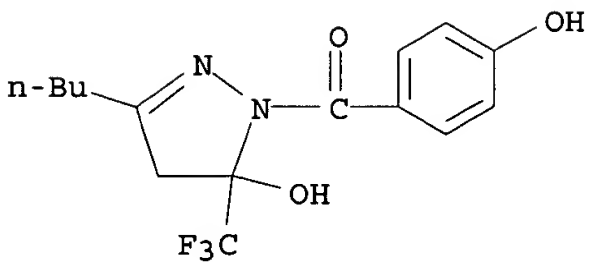
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 32 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **333770-66-4** REGISTRY
CN 1H-Pyrazol-5-ol, 3-butyl-4,5-dihydro-1-(4-hydroxybenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H17 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



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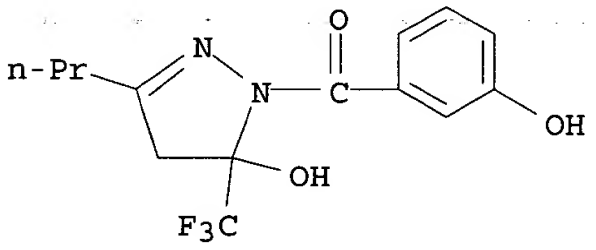
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 33 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **333770-57-3** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(3-hydroxybenzoyl)-3-propyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H15 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

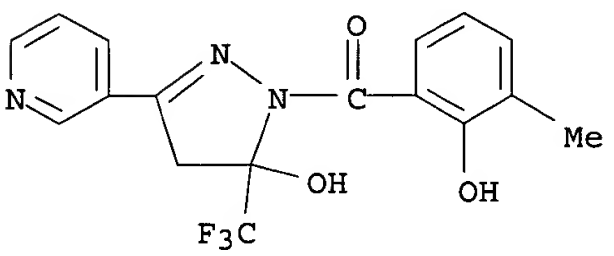
REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 34 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **333442-81-2** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-3-(3-pyridinyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H14 F3 N3 O3

SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

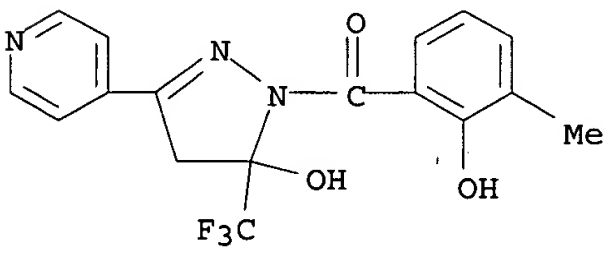
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 35 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **333442-75-4** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-3-(4-pyridinyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H14 F3 N3 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

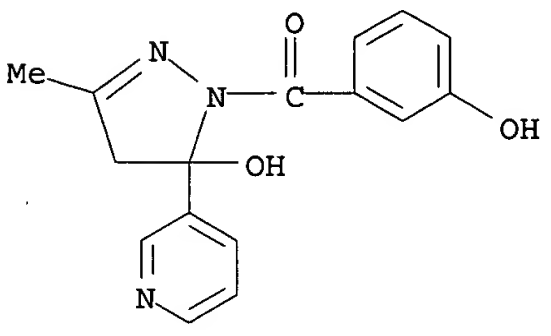
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 36 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **333442-74-3** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(3-hydroxybenzoyl)-3-methyl-5-(3-pyridinyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H15 N3 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

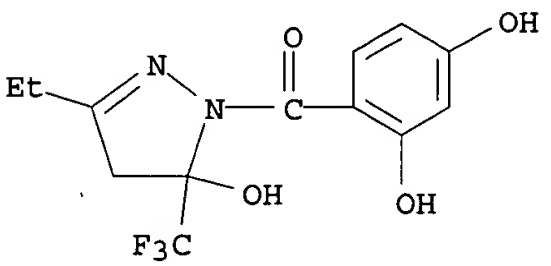
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 37 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **331835-05-3** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(2,4-dihydroxybenzoyl)-3-ethyl-4,5-dihydro-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H13 F3 N2 O4
SR Chemical Library
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)

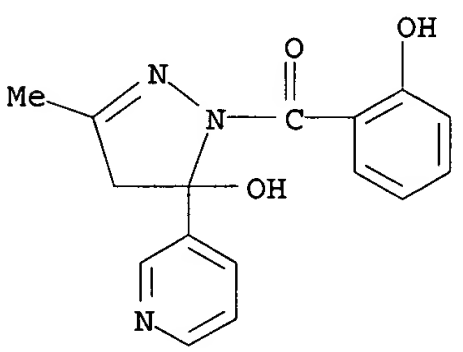
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 38 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **312531-53-6** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxybenzoyl)-3-methyl-5-(3-pyridinyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H15 N3 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

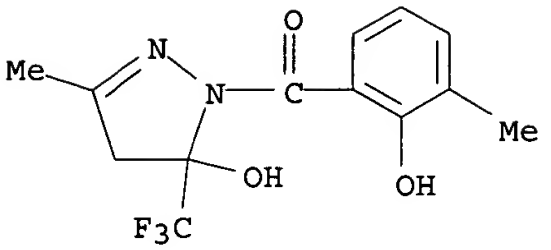
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 39 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **311784-95-9** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H13 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

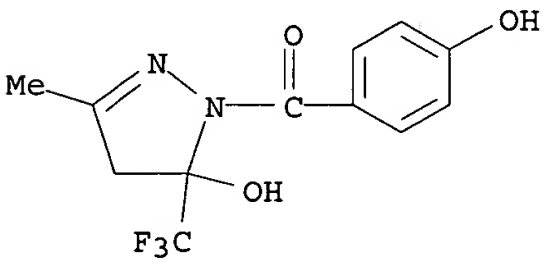
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

L16 ANSWER 40 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-84-9** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(4-hydroxybenzoyl)-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H11 F3 N2 O3
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:362654

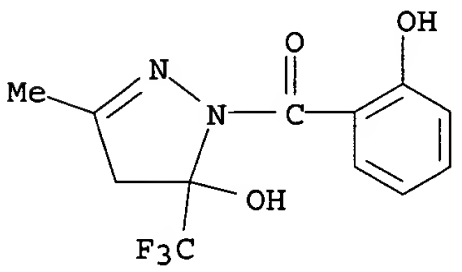
REFERENCE 2: 138:362635

REFERENCE 3: 137:741

REFERENCE 4: 132:279215

L16 ANSWER 41 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-70-3** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxybenzoyl)-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)

FS 3D CONCORD
MF C12 H11 F3 N2 O3
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

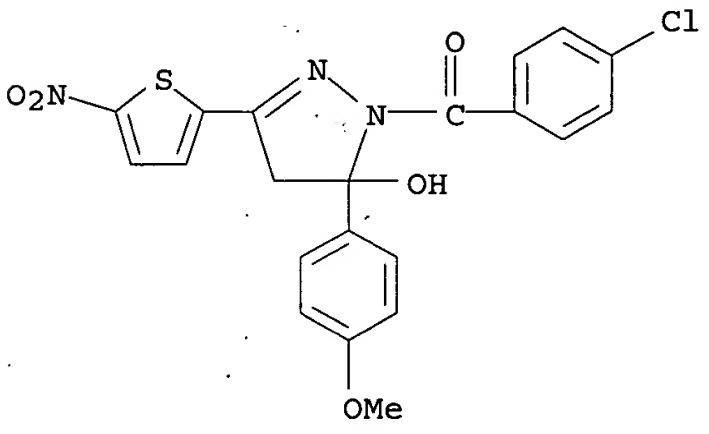
REFERENCE 1: 138:362654

REFERENCE 2: 138:362635

REFERENCE 3: 137:741

REFERENCE 4: 132:279215

L16 ANSWER 42 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **245555-45-7** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-chlorobenzoyl)-4,5-dihydro-5-(4-methoxyphenyl)-3-(5-nitro-2-thienyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H16 Cl N3 O5 S
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)



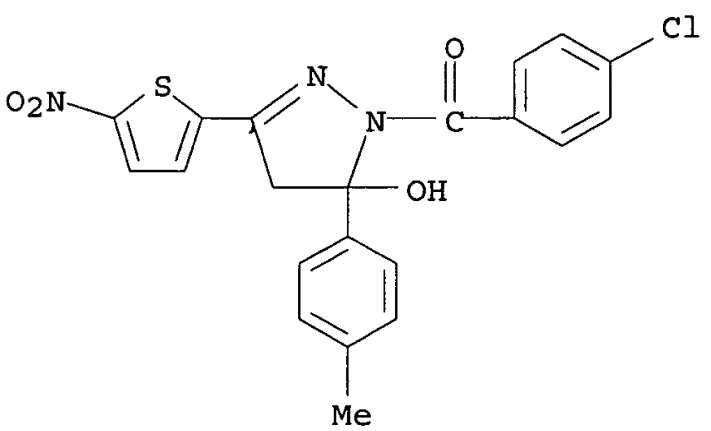
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 131:271830

L16 ANSWER 43 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **245555-43-5** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-chlorobenzoyl)-4,5-dihydro-5-(4-methylphenyl)-3-(5-nitro-2-thienyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H16 Cl N3 O4 S
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

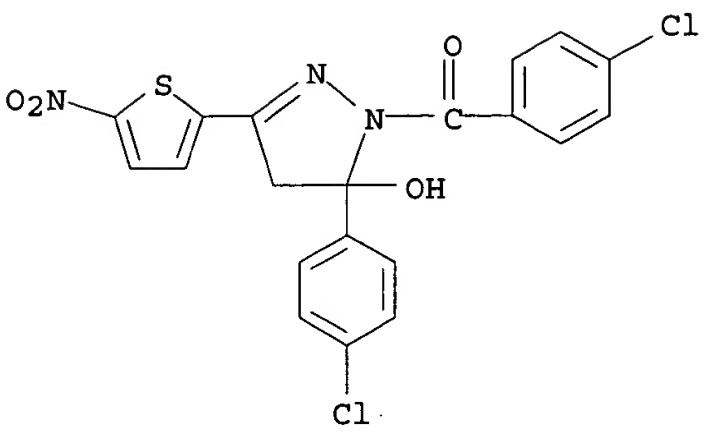


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 131:271830

L16 ANSWER 44 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **245555-41-3** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-chlorobenzoyl)-5-(4-chlorophenyl)-4,5-dihydro-3-(5-nitro-2-thienyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H13 Cl2 N3 O4 S
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)



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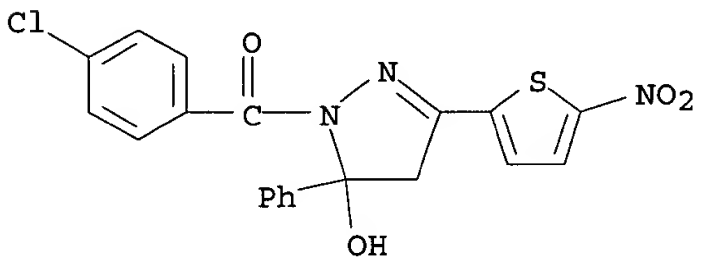
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 131:271830

L16 ANSWER 45 OF 45 REGISTRY COPYRIGHT 2004 ACS on STN
RN **245555-39-9** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-chlorobenzoyl)-4,5-dihydro-3-(5-nitro-2-thienyl)-5-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H14 Cl N3 O4 S
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)



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REFERENCE 1: 131:271830

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91	RN	263699-86-1	REGISTRY
92	RN	263699-85-0	REGISTRY
93	RN	263699-83-8	REGISTRY
94	RN	263699-82-7	REGISTRY
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96	RN	263699-80-5	REGISTRY
97	RN	263699-79-2	REGISTRY
98	RN	263699-78-1	REGISTRY
99	RN	263699-77-0	REGISTRY
100	RN	263699-76-9	REGISTRY
101	RN	263699-75-8	REGISTRY
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107	RN	263699-68-9	REGISTRY
108	RN	263699-67-8	REGISTRY
109	RN	263699-66-7	REGISTRY
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111	RN	263699-64-5	REGISTRY
112	RN	263699-63-4	REGISTRY
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114	RN	263699-61-2	REGISTRY
115	RN	263699-60-1	REGISTRY
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117	RN	263699-58-7	REGISTRY
118	RN	263699-57-6	REGISTRY
119	RN	263699-56-5	REGISTRY
120	RN	263699-55-4	REGISTRY
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122	RN	263699-53-2	REGISTRY
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128	RN	**263699-47-4**	REGISTRY
129	RN	**263699-46-3**	REGISTRY
130	RN	**263699-45-2**	REGISTRY
131	RN	**263699-44-1**	REGISTRY
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133	RN	**263699-42-9**	REGISTRY
134	RN	**263699-41-8**	REGISTRY
135	RN	**263699-40-7**	REGISTRY
136	RN	**263699-39-4**	REGISTRY
137	RN	**263699-38-3**	REGISTRY
138	RN	**263699-37-2**	REGISTRY
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146	RN	**203200-95-7**	REGISTRY
147	RN	**203200-94-6**	REGISTRY
148	RN	**203200-92-4**	REGISTRY
149	RN	**203200-73-1**	REGISTRY
150	RN	**203200-72-0**	REGISTRY
151	RN	**203200-71-9**	REGISTRY
152	RN	**148843-67-8**	REGISTRY
153	RN	**113307-79-2**	REGISTRY
154	RN	**92916-85-3**	REGISTRY
155	RN	**92916-82-0**	REGISTRY
156	RN	**92916-81-9**	REGISTRY
157	RN	**82366-30-1**	REGISTRY
158	RN	**82366-26-5**	REGISTRY
159	RN	**82366-25-4**	REGISTRY
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161	RN	**78051-40-8**	REGISTRY
162	RN	**78051-39-5**	REGISTRY

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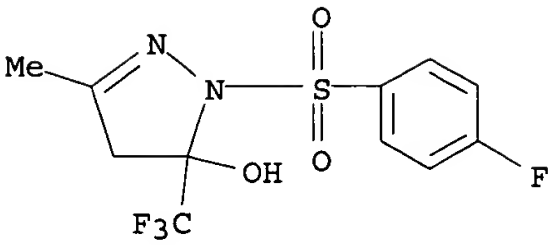
L17 ANSWER 1 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-76-1** REGISTRY
CN 1H-Pyrazol-5-ol, 1-[(4-fluorophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H10 F4 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

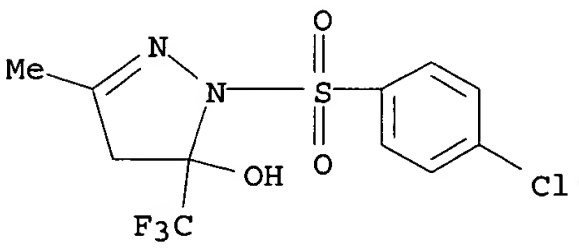


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 10 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-67-0** REGISTRY
CN 1H-Pyrazol-5-ol, 1-[(4-chlorophenyl)sulfonyl]-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H10 Cl F3 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

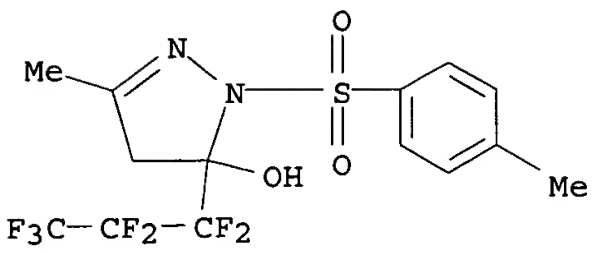


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 20 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-57-8** REGISTRY
CN 1H-Pyrazol-5-ol, 5-(heptafluoropropyl)-4,5-dihydro-3-methyl-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H13 F7 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

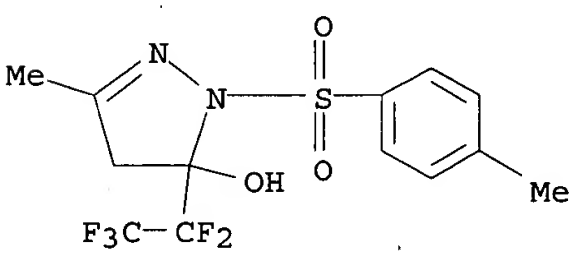


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 30 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-47-6** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-1-[(4-methylphenyl)sulfonyl]-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H13 F5 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

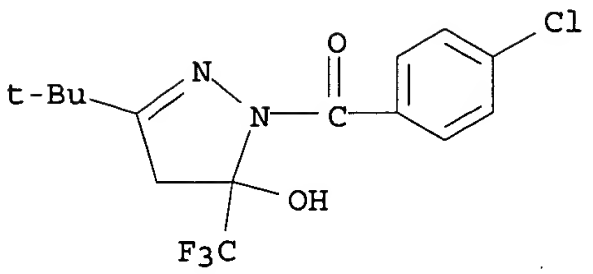


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 35 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-42-1** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-chlorobenzoyl)-3-(1,1-dimethylethyl)-4,5-dihydro-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H16 Cl F3 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

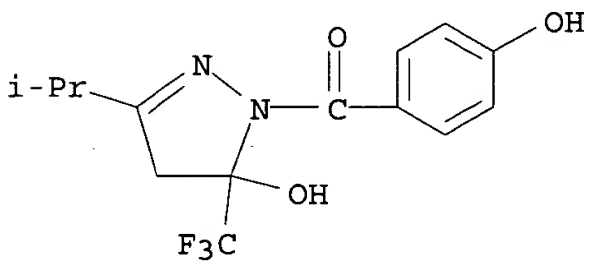


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 40 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-37-4** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(4-hydroxybenzoyl)-3-(1-methylethyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H15 F3 N2 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

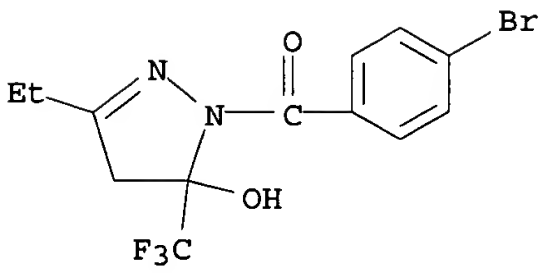


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 45 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-32-9** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-bromobenzoyl)-3-ethyl-4,5-dihydro-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H12 Br F3 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

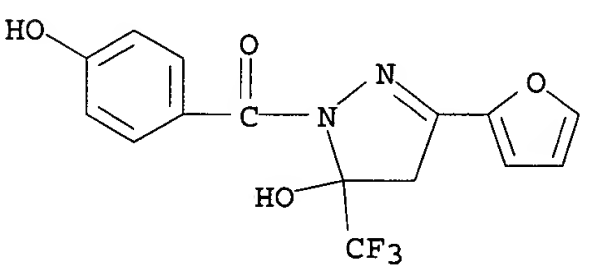


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 50 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-27-2** REGISTRY
CN 1H-Pyrazol-5-ol, 3-(2-furanyl)-4,5-dihydro-1-(4-hydroxybenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H11 F3 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

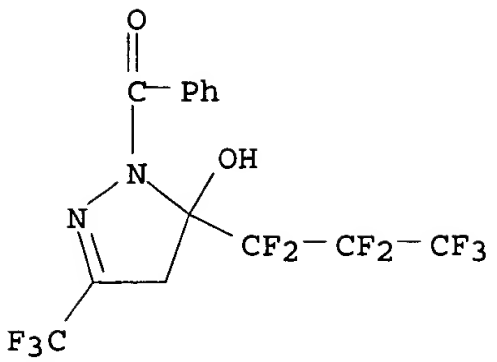


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 55 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-22-7** REGISTRY
CN 1H-Pyrazol-5-ol, 1-benzoyl-5-(heptafluoropropyl)-4,5-dihydro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H8 F10 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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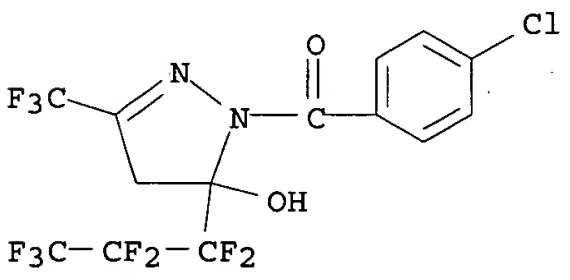
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 60 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-17-0** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-chlorobenzoyl)-5-(heptafluoropropyl)-4,5-dihydro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H7 Cl F10 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 65 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-12-5** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-chlorobenzoyl)-3-(1,1-dimethylethyl)-4,5-dihydro-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H16 Cl F5 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES

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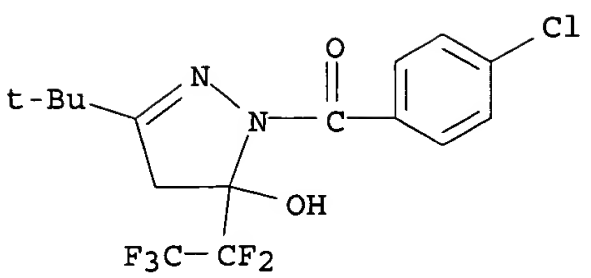
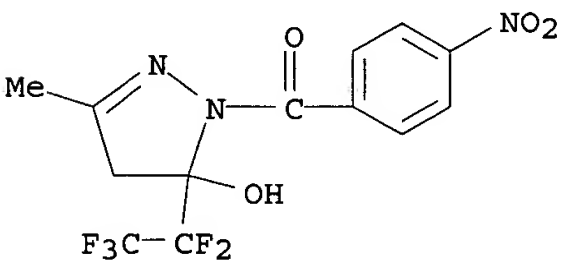


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 70 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-07-8** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-1-(4-nitrobenzoyl)-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H10 F5 N3 O4
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

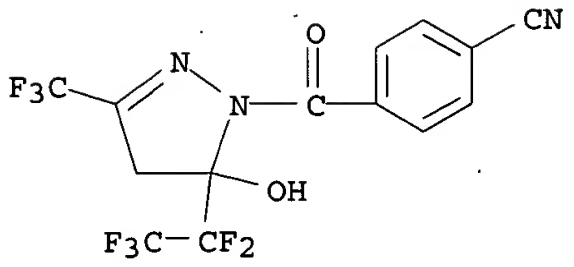


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 75 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263700-02-3** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-cyanobenzoyl)-4,5-dihydro-5-(pentafluoroethyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H7 F8 N3 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

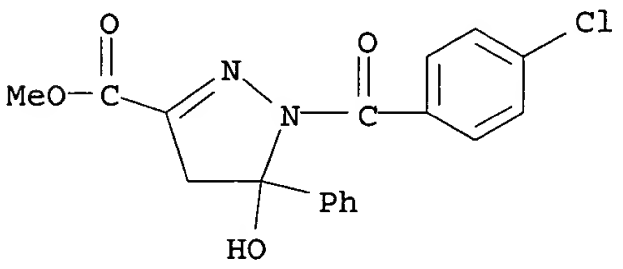


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 80 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-97-4** REGISTRY
CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorobenzoyl)-4,5-dihydro-5-hydroxy-5-phenyl-, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H15 Cl N2 O4
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

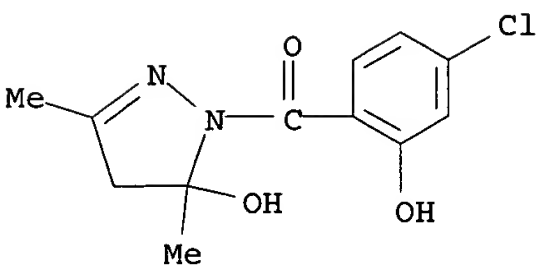


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 85 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-92-9** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-chloro-2-hydroxybenzoyl)-4,5-dihydro-3,5-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H13 Cl N2 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

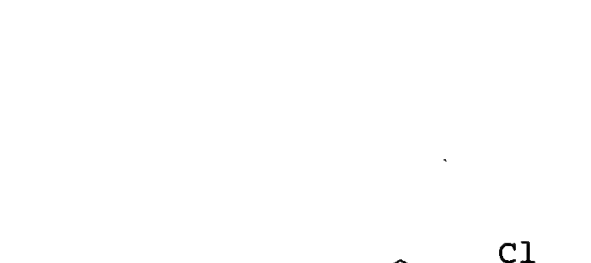


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 90 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-87-2** REGISTRY
CN 1H-Pyrazol-5-ol, 1-[4-(1,1-dimethylethyl)benzoyl]-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H19 F3 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

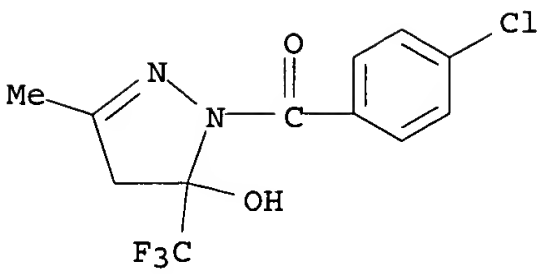


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 95 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-81-6** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-chlorobenzoyl)-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H10 Cl F3 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

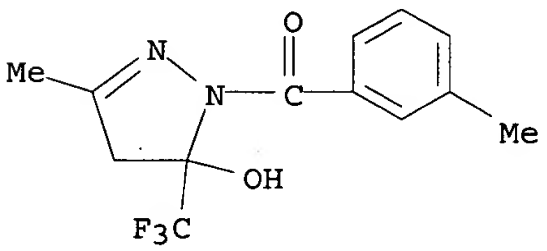


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 100 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-76-9** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-1-(3-methylbenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H13 F3 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

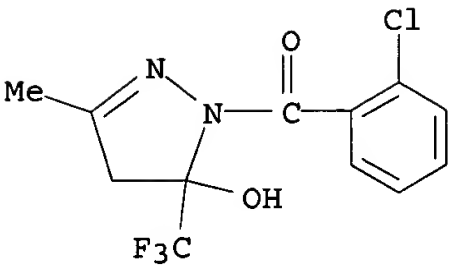


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 110 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-65-6** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(2-chlorobenzoyl)-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H10 Cl F3 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

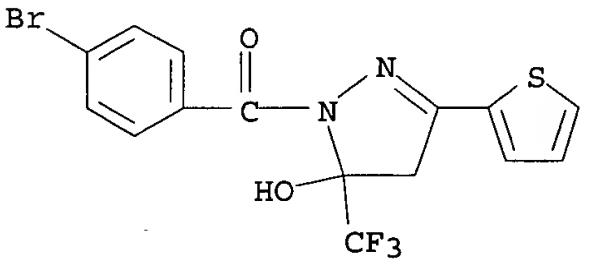


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 120 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-55-4** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-bromobenzoyl)-4,5-dihydro-3-(2-thienyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H10 Br F3 N2 O2 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

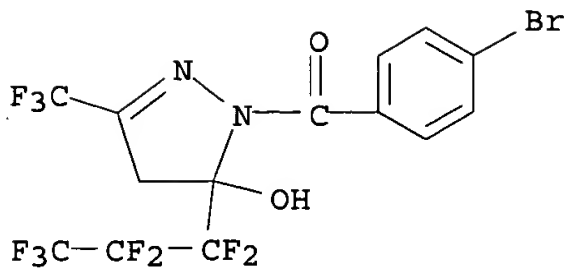


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 130 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-45-2** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-bromobenzoyl)-5-(heptafluoropropyl)-4,5-dihydro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H7 Br F10 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

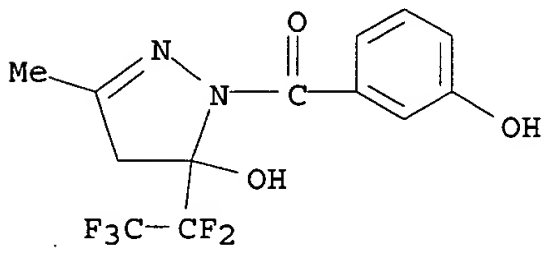


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 140 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **263699-35-0** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(3-hydroxybenzoyl)-3-methyl-5-(pentafluoroethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H11 F5 N2 O3
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

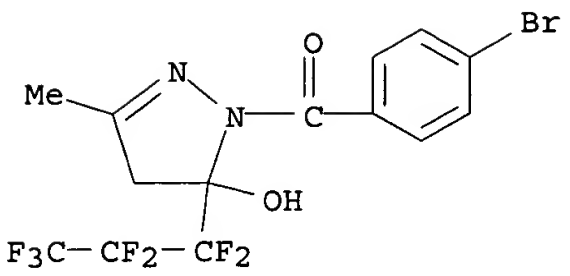


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

L17 ANSWER 146 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **203200-95-7** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-bromobenzoyl)-5-(heptafluoropropyl)-4,5-dihydro-3-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H10 Br F7 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); RACT (Reactant or reagent)



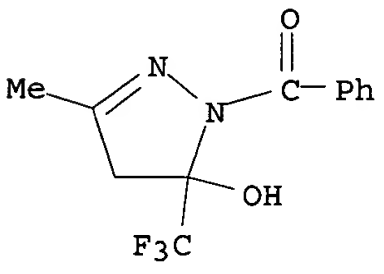
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

REFERENCE 2: 128:180055

L17 ANSWER 152 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **148843-67-8** REGISTRY
CN 1H-Pyrazol-5-ol, 1-benzoyl-4,5-dihydro-3-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H11 F3 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:300677

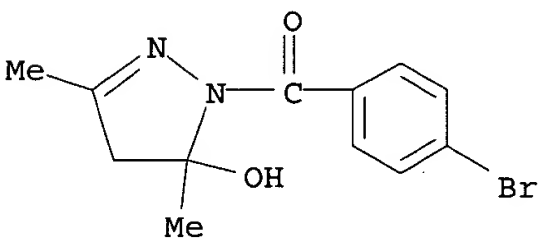
REFERENCE 2: 132:279215

REFERENCE 3: 128:180055

REFERENCE 4: 119:84627

L17 ANSWER 153 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN

RN **113307-79-2** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-bromobenzoyl)-4,5-dihydro-3,5-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H13 Br N2 O2
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS, TOXCENTER
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

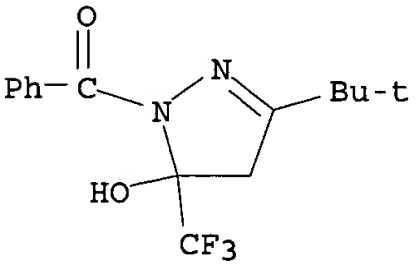
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

REFERENCE 2: 109:37777

REFERENCE 3: 108:111528

L17 ANSWER 154 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **92916-85-3** REGISTRY
CN 1H-Pyrazol-5-ol, 1-benzoyl-3-(1,1-dimethylethyl)-4,5-dihydro-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H17 F3 N2 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS, TOXCENTER
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: PREP (Preparation)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

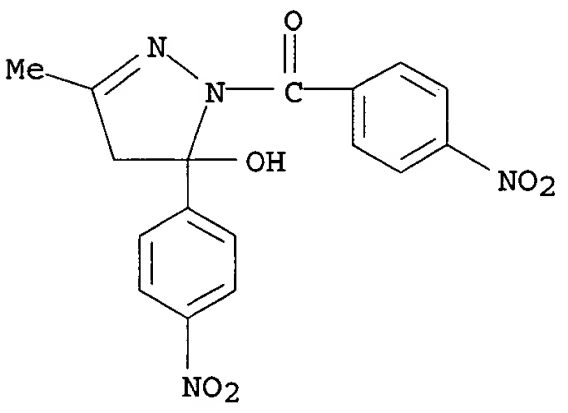
REFERENCE 1: 136:69766

REFERENCE 2: 132:279215

REFERENCE 3: 128:180055

REFERENCE 4: 101:191033

L17 ANSWER 157 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **82366-30-1** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-1-(4-nitrobenzoyl)-5-(4-nitrophenyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H14 N4 O6
LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS, TOXCENTER
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: PREP (Preparation)



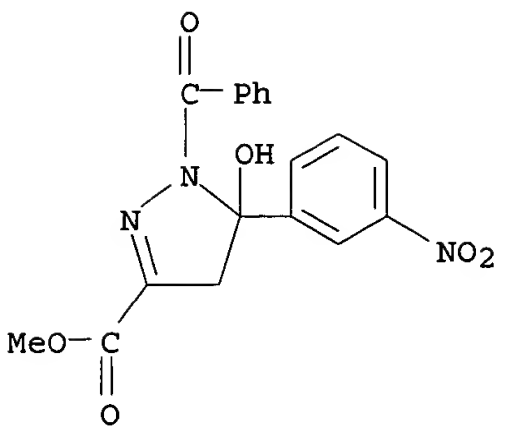
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

REFERENCE 2: 97:38262

L17 ANSWER 162 OF 162 REGISTRY COPYRIGHT 2004 ACS on STN
RN **78051-39-5** REGISTRY
CN 1H-Pyrazole-3-carboxylic acid, 1-benzoyl-4,5-dihydro-5-hydroxy-5-(3-nitrophenyl)-, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H15 N3 O6
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: PROC (Process)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:279215

REFERENCE 2: 95:41975

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=> fil hcaplus
FILE 'HCAPLUS' ENTERED AT 14:36:11 ON 07 JUL 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 7 Jul 2004 VOL 141 ISS 2
FILE LAST UPDATED: 6 Jul 2004 (20040706/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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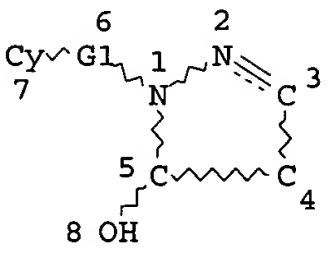
L9 STR



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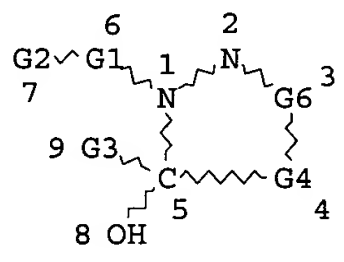
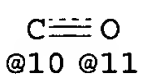
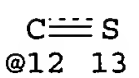
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

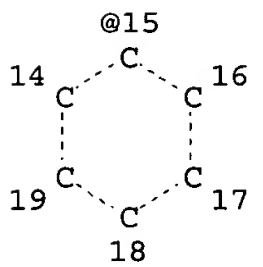
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 12

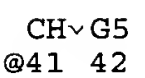
STEREO ATTRIBUTES: NONE
L11 1894 SEA FILE=REGISTRY SSS FUL L9
L12 STR

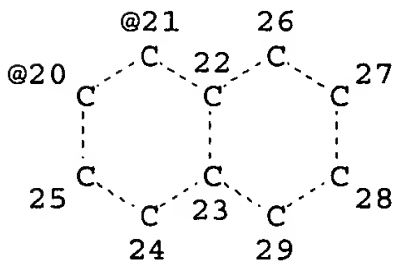


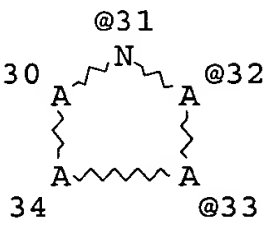


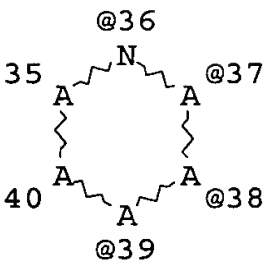


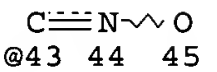


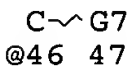


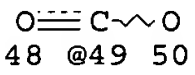












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VAR G2=15/21/20/31/32/33/36/37/38/39
VAR G3=AK/CY
VAR G4=CH2/41/11/12/43
VAR G5=N/CN/AK/O
VAR G6=CH/46
VAR G7=X/N/CY/AK/HY/49
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 50

STEREO ATTRIBUTES: NONE
L13 1586 SEA FILE=REGISTRY SUB=L11 SSS FUL L12

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L15            4 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L14 AND (?FUNG? OR ?SOIL? OR
                 ?PLANT? OR ?CROP? OR ?SEED?)
L19           38 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L14 NOT L15


=>
=>

=> d ibib abs hitrn l19 1-38

L19  ANSWER 1 OF 38  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:         2004:80878  HCAPLUS
DOCUMENT NUMBER:          140:139547
TITLE:                    Screening for substituted aryl isoxazole effectors of
                          the Edg-1 receptor for the treatment of
                          receptor-associated conditions
INVENTOR(S):              Solow-Cordero, David; Shankar, Geetha; Gluchowski,
                          Charles; Spencer, Juliet V.
PATENT ASSIGNEE(S):       Ceretek Llc, USA
SOURCE:                   PCT Int. Appl., 94 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
     ---------------    ----  --------      ---------------  --------
     WO 2004009816       A1   20040129      WO 2003-US22463  20030717
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
             TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG,
             KZ, MD, RU, TJ
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
             CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
             NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
             GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.:                    US 2002-397299P  P  20020718
OTHER SOURCE(S):          MARPAT 140:139547
AB   In one aspect, the present invention provides a method of modulating an
     Edg-1 receptor mediated biol. activity in a cell.  A cell expressing the
     Edg-1 receptor is contacted with a modulator of the Edg-1 receptor
     sufficient to modulate the Edg-1 receptor mediated biol. activity.  In
     another aspect, the present invention provides a method for modulating an
     Edg-1 receptor mediated biol. activity in a subject.  A therapeutically
     effective amount of a modulator of the Edg-1 receptor is administered to the
     subject.
IT   372091-61-7P
     RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
     study); PREP (Preparation); USES (Uses)
        (preparation and therapeutic use as Edg-1 inhibitor; screening for
        substituted aryl isoxazole effectors of Edg-1 receptor for treatment of
        receptor-associated conditions)
IT   311323-10-1P 311783-35-4P 331238-89-2P
     352342-35-9P 357444-31-6P 372175-50-3P
     374918-60-2P 376616-68-1P 376621-55-5P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
```

(reactions of; screening for substituted aryl isoxazole effectors of Edg-1 receptor for treatment of receptor-associated conditions)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:1002240 HCAPLUS
DOCUMENT NUMBER: 140:235828
TITLE: Simplified synthesis, 1H, 13C, 15N, 119Sn NMR spectra and x-ray structures of diorganotin(IV) complexes containing the 4-phenyl-2,4-butanedionebenzoylhydrazone(2-) ligand
AUTHOR(S): Dey, Dilip Kumar; Lycka, Antonin; Mitra, Samiran; Rosair, Georgina M.
CORPORATE SOURCE: Department of Chemistry, Chandidas Mahavidyalaya, West Bengal, 731 215, India
SOURCE: Journal of Organometallic Chemistry (2004), 689(1), 88-95
CODEN: JORCAI; ISSN: 0022-328X
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Two diorganotin(IV) complexes R2Sn[Ph(O)C:CH-C(Me):N-N:C(O)Ph] (R = Ph, 1; R = Me, 2) were synthesized from the corresponding diorganotin(IV) dichloride and the ligand 4-phenyl-2,4-butanedionebenzoylhydrazone(2-) (H2L), derived from benzoyl acetone and benzoyl hydrazide in MeOH at room temperature in presence of NEt3. The syntheses were performed under very mild conditions, at room temperature and without exclusion of air or moisture from the reaction vessel. Previously, rigorous conditions were considered necessary for these species. The two compds. were characterized by elemental anal., IR and 1H, 13C, 15N, 119Sn NMR spectra, and their structures were confirmed single crystal x-ray structure anal. The central Sn atom of both complexes adopts a distorted trigonal bipyramidal coordination with two ligand O atoms in axial positions, the N atom of the ligand and two organic groups on Sn occupying equatorial sites. The δ(119Sn) values for the complexes 1 and 2 are -151.5 and -146.8 ppm, resp., thus indicating pentacoordinated Sn centers.
IT **82366-05-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of diorganotin(IV) dichlorides with phenylbutanedionebenzoylhydrazone ligand to give pentacoordinated diorganotin butanedionebenzoylhydrazone complex)
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:580599 HCAPLUS
DOCUMENT NUMBER: 140:111330
TITLE: Reactions of β-methoxyvinyl trifluoromethyl ketones with 2-pyridinecarboxamidrazone. A convenient route to trifluoromethylated 4,5-dihydro-1H-1-picolinoylpyrazole hydrochlorides
AUTHOR(S): Bonacorso, Helio G.; Lewandowski, Hilario; Drekener, Roberta L.; Costa, Michelle B.; Pereira, Claudio M. P.; Wastowski, Arci D.; Peppe, Clovis; Martins, Marcos A. P.; Zanatta, Nilo
CORPORATE SOURCE: Departamento de Quimica, Nucleo de Quimica de Heterociclo, Universidade Federal de Santa Maria, Santa Maria, 97105-900, Brazil
SOURCE: Journal of Fluorine Chemistry (2003), 122(2), 159-163
CODEN: JFLCAR; ISSN: 0022-1139
PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal
LANGUAGE: English

AB A new series of six 3-aryl-5-hydroxy-5-trifluoromethyl-4,5-dihydro-1H-1-picolinoylpyrazole hydrochlorides were synthesized in one-step in high yields by the cyclocondensation of β-methoxyvinyl trifluoromethyl ketones with 2-pyridinecarboxamidrazone in the presence of hydrochloric acid. The hydrochloride salts were easily converted to the resp. new series of free trifluoromethylated 4,5-dihydro-1H-1-picolinoylpyrazoles using triethylamine in anhydrous di-Et ether. X-ray structure and 35Cl NMR data from the pyrazole hydrochlorides are reported.

IT **648414-81-7P**
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(crystal structure; cyclocondensation of β-methoxyvinyl trifluoromethyl ketones with 2-pyridinecarboxamidrazone in preparation of trifluoromethylated 4,5-dihydro-1H-1-picolinoylpyrazole hydrochlorides)

IT **648414-82-8P 648414-83-9P 648414-84-0P**
648414-85-1P
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(cyclocondensation of β-methoxyvinyl trifluoromethyl ketones with 2-pyridinecarboxamidrazone in preparation of trifluoromethylated 4,5-dihydro-1H-1-picolinoylpyrazole hydrochlorides)

IT **648414-80-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(cyclocondensation of β-methoxyvinyl trifluoromethyl ketones with 2-pyridinecarboxamidrazone in preparation of trifluoromethylated 4,5-dihydro-1H-1-picolinoylpyrazole hydrochlorides)

IT **648414-86-2P 648414-87-3P 648414-88-4P**
648414-89-5P 648414-90-8P 648414-91-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(cyclocondensation of β-methoxyvinyl trifluoromethyl ketones with 2-pyridinecarboxamidrazone in preparation of trifluoromethylated 4,5-dihydro-1H-1-picolinoylpyrazole hydrochlorides)

REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 4 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:356260 HCAPLUS
DOCUMENT NUMBER: 138:362654
TITLE: Opioid inhibitors of ABC drug transporters in cancer cells, and use in cancer treatment
INVENTOR(S): Schoenhard, Grant L.
PATENT ASSIGNEE(S): Pain Therapeutics, Inc., USA
SOURCE: PCT Int. Appl., 102 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003037340	A1	20030508	WO 2002-US17092	20020530

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003144312 A1 20030731 US 2001-3215 20011030

PRIORITY APPLN. INFO.: US 2001-3215 A 20011030

OTHER SOURCE(S): MARPAT 138:362654

AB The invention discloses opioid compds. that are inhibitors of drug transporters of the ABC protein superfamily. The invention provides methods of treating cancer using antitumor agents and opioid inhibitors of such transporters. The invention also provides methods for selecting or designing compds. for the ability to inhibit drug transporter proteins and to methods of inhibiting drug transporter proteins. The invention discloses the use of opioid receptor antagonists in the treatment of a cancer patient who has developed a resistance to a therapeutically active substance.

IT **263699-70-3 263699-84-9 311784-95-9**
312531-53-6 331835-05-3 333442-74-3
333442-75-4 333442-81-2 333770-57-3
333770-66-4 333771-02-1 333771-03-2
333771-06-5 335206-28-5 337353-98-7
346633-91-8 352520-81-1 358355-24-5
358355-25-6 358355-46-1 364340-96-5
364341-07-1 364616-25-1 387829-00-7
402612-66-2 415944-49-9 425390-41-6
432492-00-7 432492-01-8 521282-34-8
RL: PRP (Properties)
(opioid inhibitors of ABC drug transporters in cancer cells, and use in cancer treatment)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:75334 HCAPLUS

DOCUMENT NUMBER: 139:300677

TITLE: Synthesis and structure of Ni(II) and Cu(II) complexes based on acylhydrazones of fluorinated β-diketones

AUTHOR(S): Gaibullaev, Kh. S.; Umarov, B. B.; Toshev, M. T.; Larin, G. M.; Parpiev, N. A.; Yakimovich, S. I.; Minin, V. V.

CORPORATE SOURCE: Bukhar. Tekhnol. Inst. Tekstil.i Legkoi Prom., Bukhara, Uzbekistan

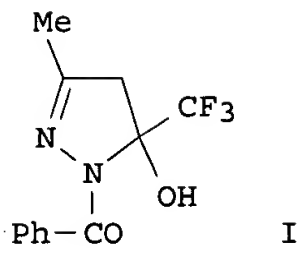
SOURCE: Sintez i Issledovanie Novykh Organicheskikh Soedinenii, Perspektivnykh dlya Ispol'zovaniya v Tekstil'noi Promyshlennosti v Kachestve Vspomogatel'nykh Veshchestv i Krasitelei (2001), 41-48. Moskovskii Gosudarstvennyi Tekstil'nyi Universitet im. A. N. Kosygina: Moscow, Russia. CODEN: 69DNN2

DOCUMENT TYPE: Conference

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 139:300677

GI



I

AB I was prepared by the condensation of trifluoroacetylacetone with benzoylhydrazone. NiL(NH3), NiL(PPh3) and CuL(NH3) (HL = PhCONHN:C(Me)CH2COCF3) were prepared and the crystal structures of I and its nickel complexes were determined The Cu and Ni complexes have a square planar structure with I coordinating through the 2 O atoms and the N atom.

IT **148843-67-8P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and crystal structure of)

L19 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:408517 HCAPLUS
DOCUMENT NUMBER: 137:741
TITLE: Inhibitors of ABC drug transporters at the blood-brain barrier for increasing brain concns. of central nervous system-active agents
INVENTOR(S): Schoenhard, Grant L.
PATENT ASSIGNEE(S): Pain Therapeutics, Inc., USA
SOURCE: PCT Int. Appl., 143 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 13
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002041884	A2	20020530	WO 2001-US45367	20011030
WO 2002041884	C1	20031211		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 6011004	A	20000104	US 1996-768221	19961217
AU 9947399	A1	19991028	AU 1999-47399	19990906
AU 2002039427	A5	20020603	AU 2002-39427	20011030
US 2003073713	A1	20030417	US 2001-113	20011030
EP 1392265	A2	20040303	EP 2001-987187	20011030
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

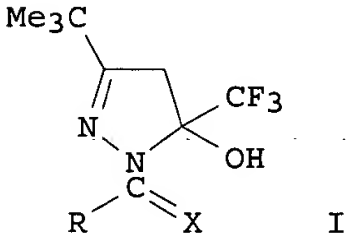
PRIORITY APPLN. INFO.:		
US 2000-244482P	P	20001030
US 2000-245110P	P	20001101
US 2000-246235P	P	20001102
US 1990-612847	B1	19901113
US 1993-153796	A1	19931117
AU 1995-32769	A3	19950718
WO 2001-US45367	W	20011030

OTHER SOURCE(S): MARPAT 137:741

AB The invention relates to inhibitors of drug transporters of the ABC protein superfamily, particularly transporters present at the blood brain barrier. ABC transporter inhibitors identified according to the invention increase brain concns. of CNS-active agents. Such inhibitors increase the influx into the brain and/or reduce the efflux from the brain of such CNS-active agents.

IT **263699-70-3 263699-84-9 311784-95-9 312531-53-6 331835-05-3 333442-74-3 333442-75-4 333442-81-2 333770-57-3 333770-66-4 333770-67-5 333770-74-4 333771-02-1 333771-03-2 333771-06-5 335206-28-5 337353-98-7 346633-91-8 352520-81-1 358355-24-5 358355-25-6 358355-46-1 364340-96-5 364341-07-1 364616-25-1 387829-00-7 402612-66-2 415944-49-9 425390-41-6 432492-00-7 432492-01-8**
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ABC drug transporter inhibitors for increasing brain concns. of CNS-active agents)

L19 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:442533 HCAPLUS
DOCUMENT NUMBER: 136:69766
TITLE: Synthesis and structure of ligands based on 1,1,1-trifluoro-5,5-dimethyl-2,4-hexanedione condensation products
AUTHOR(S): Umarov, B. B.; Gaibullaev, Kh. S.; Parpiev, N. A.; Ishankhodzhaeva, M. M.
CORPORATE SOURCE: Nats. Univ. Uzbek. im. Mirzo Ulugbek, Uzbekistan
SOURCE: Doklady Akademii Nauk Respubliki Uzbekistan (2000), (9), 42-45
CODEN: DARUEE; ISSN: 1019-8954
PUBLISHER: Fan
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI



I

AB Condensation of Me3CCOCH2COCF3 with BzNHNH2 and thiosemicarbazide gave pyrazolines I (R = Ph, X = O; R = NH2, X = S). I have intramol. H bonds.

IT **92916-85-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

L19 ANSWER 8 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:612571 HCAPLUS
DOCUMENT NUMBER: 131:336980
TITLE: Recyclization of 1-acyl(thioacyl)-5-hydroxy-2-pyrazolines to 1,3,4-oxa(thia)diazol-2-ines on

acetylation
AUTHOR(S): Zelenin, K. N.; Alekseev, V. V.; Zelenin, A. K.; Sushkova, Yu. S.
CORPORATE SOURCE: Military Medical Academy, St. Petersburg, 194175, Russia
SOURCE: Chemistry of Heterocyclic Compounds (New York)(Translation of Khimiya Geterotsiklicheskikh Soedinenii) (1999), 35(1), 87-92
CODEN: CHCCAL; ISSN: 0009-3122
PUBLISHER: Consultants Bureau
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:336980
AB Acetylation of 1-acyl(thioacyl)-5-hydroxy-2-pyrazolines produces recyclization to the corresponding 4-acyl-5-(2-oxoalkyl)-1,3,4-oxa(thia)diazol-2-ines.
IT **28620-33-9 69807-75-6 80857-68-7**
82366-05-0 82366-28-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(acetylation-recyclization of)
REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 9 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:64767 HCAPLUS
DOCUMENT NUMBER: 128:180055
TITLE: Tautomerism in a series of products of condensation of fluorinated 1,3-diketones with aroylhydrazines
AUTHOR(S): Yakimovich, S. I.; Zerova, I. V.; Zelenin, K. N.; Alekseev, V. V.; Tugusheva, A. R.
CORPORATE SOURCE: St. Petersburg State University, St. Petersburg, 198904, Russia
SOURCE: Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1997), 33(3), 370-374
CODEN: RJOCEQ; ISSN: 1070-4280
PUBLISHER: MAIK Nauka/Interperiodica Publishing
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The condensation of aroylhydrazines with 1,3-diketones CH3COCH2COR, where R is a perfluoroalkyl group, proceeds on the acetyl carbonyl. Condensation products exist in solution in the form of two tautomeric forms: conjugated enehydrazinic and 5-hydroxypyrazolinic forms. The open tautomer is favored by an enlargement of the perfluoroalkyl radical chain, the introduction of electron-donating substituents into the aromatic ring of the hydrazine component, and the use of basic dipolar solvents. The reactions of aroylhydrazines with trifluoroacetylpinacolin occur predominantly on the trifluoroacetyl function. Trifluoroacetylpinacolin derivs. in solns. exist as mixts. of hydrazonic and 5-hydroxypyrazolinic forms. The tautomeric equilibrium is shifted to the cyclic form when electron-withdrawing substituents are introduced into the aromatic ring and nonpolar solvents are used.
IT **92916-84-2P 148843-67-8P 203200-70-8P**
203200-71-9P 203200-72-0P 203200-73-1P
203200-92-4P 203200-93-5P 203200-94-6P
203200-95-7P 203200-96-8P 203200-97-9P
203200-98-0P 203200-99-1P 203201-00-7P
203201-10-9P 203201-11-0P 203201-12-1P
203201-13-2P
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(ring-chain tautomerism in condensation products of fluorinated 1,3-diketones with aroylhydrazines)

IT **92916-85-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(ring-chain tautomerism in condensation products of fluorinated 1,3-diketones with aroylhydrazines)
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 10 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:125585 HCAPLUS
DOCUMENT NUMBER: 124:246836
TITLE: Molecular structures of tautomeric forms of benzoylacetone benzoylhydrazone
AUTHOR(S): Kraudelt, Heide; Ludwig, Eberhard; Schilde, Uwe; Uhlemann, Erhard
CORPORATE SOURCE: Institut fuer Anorganische Chemie und Didaktik der Chemie, Universitaet Potsdam, Potsdam, D-14415, Germany
SOURCE: Zeitschrift fuer Naturforschung, B: Chemical Sciences (1996), 51(1), 95-100
CODEN: ZNBSEN; ISSN: 0932-0776
PUBLISHER: Verlag der Zeitschrift fuer Naturforschung
DOCUMENT TYPE: Journal
LANGUAGE: German
AB By crystallization from benzene 2 tautomeric forms of benzoylacetone benzoylhydrazone were isolated side by side. They are the pyrazoline (PZ) and the enhydrazine (EH) form. EH is triclinic, space group P.hivin.1, a 9.247(2), b 9,953(2), c 16,112(4), α 81,79(1) β 82,74(1), γ 89,94(2)°; Z = 4; R = 0.0584; 6197 reflections. PZ is orthorhombic, space group Pccn, a 17,357(6), b 21,190(7), c 7,908(5) Å; Z = 8; R = 0,0553; 1152 reflections. Atomic coordinates are given.
IT **82366-05-0**
RL: PRP (Properties)
(crystal structure of)

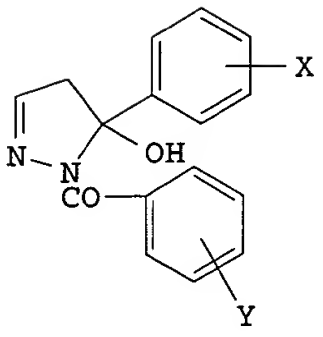
L19 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:803871 HCAPLUS
DOCUMENT NUMBER: 124:29042
TITLE: Structure of sodium salts of acyl(thioacyl)hydrazones of β-dicarbonyl compounds
AUTHOR(S): Zelenin, A. K.; Ershov, B. A.; Romas, A. D.; Alekseev, V. V.; Zelenin, K. N.
CORPORATE SOURCE: St. Peterburg. Gos. Univ., St. Petersburg, Russia
SOURCE: Zhurnal Obshchei Khimii (1995), 65(5), 837-42
CODEN: ZOKHA4; ISSN: 0044-460X
PUBLISHER: Nauka
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB NMR data showed that the Na salts of 1,3-ketoaldehyde acyl(thioacyl)hydrazones exist in DMSO-d6 as mixts. of chelate and nonchelate forms whereas 1,3-diketone acyl(thioacyl)hydrazones exist as the latter form.
IT **171615-14-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(structure of sodium salts of acyl(thioacyl)hydrazones of β-dicarbonyl compds.)

L19 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:436224 HCAPLUS
DOCUMENT NUMBER: 122:254658
TITLE: Nickel(II) complexes based on acyl-, aroylhydrazones of formylpinacolin and methyl ester of 5,5-dimethyl-2,4-dioxohexanoic acid

AUTHOR(S): Gaybullaev, Kh. S.; Umarov, B. B.; Parpiev, N. A.; Jakimovich, S. I.; Zerova, I. V.
CORPORATE SOURCE: Tashk. Gos. Univ., Tashkent, Uzbekistan
SOURCE: Uzbekskii Khimicheskii Zhurnal (1994), (3), 12-16
CODEN: UZKZAC; ISSN: 0042-1707
PUBLISHER: Fan
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB NiL(NH3) (H2L = Me3CC(O)CHCR:NNHC(O)R1 (R = H, R1 = Ph, p-Me2NC6H4, p-NO2C6H4, CMe3; R = CO2H, R1 = Ph, p-Me2NC6H4, p-NO2C6H4, H)) were prepared and studied by IR and 1H NMR methods. These complexes in crystalline solid and in solution have square-planar structure with trans-N2O2 coordination sphere.
IT **92916-79-5 162337-34-0 162337-35-1**
RL: RCT (Reactant); RACT (Reactant or reagent)
(for preparation of nickel complexes)

L19 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:112687 HCAPLUS
DOCUMENT NUMBER: 123:168939
TITLE: Sodium salts of acylhydrazones of 1,3-dioxo compounds and their acylation
AUTHOR(S): Zelenin, Kirill N.; Bezhan, Irina P.; Ershov, Boris A.; Zelenin, Alexander K.
CORPORATE SOURCE: Military Medical Academy, St. Petersburg, 194175, Russia
SOURCE: Tetrahedron (1994), 50(39), 11447-58
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Sodium salts of acylhydrazones of 1,3-dioxo compds. react with acyl chlorides yielding (E)-β-keto-ene hydrazides (as a result of N-acylation). The resp. acetylacetone and aroylacetone N-acyl derivs. showing an equilibrium between (E)- and (Z)-isomers are converted to 1-acyl-5-acyloxy-2-pyrazolines.
IT **28620-33-9 69807-75-6 82366-05-0 82366-28-7 167150-92-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(acylation of sodium salts of acylhydrazones of dioxo compds.)

L19 ANSWER 14 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:297930 HCAPLUS
DOCUMENT NUMBER: 120:297930
TITLE: Tautomerism in a series of aroylacetaldehyde aroylhydrazones
AUTHOR(S): Yakimovich, S. I.; Zerova, I. V.
CORPORATE SOURCE: St. Peterburg. Gos. Univ., Russia
SOURCE: Zhurnal Organicheskoi Khimii (1993), 29(5), 905-10
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI



III

AB Conjugated ene hydrazine form (E)-YC6H4CONHNHCH:CHCOC6H4X [(E)-I] (X = H with variable Y = e.g., 4-NMe2, 3-NO2, or Y = H with variable X = e.g., 4-MeO, 3-NO2) was observed immediately after dissoln. of the title compds., and was taken to reflect the solid-state structure. Varying the recrystn. conditions, a hydrazone crystal modification (E)-YC6H4CONHN:CHCH2COC6H4X [(E)-II] was obtained. In CDCl3, a mixture of (E)-II (10-20%), (Z)-I (20-30%), and 5-hydroxypyrazoline III (50-60%) was observed; in pyridine-d5 a mixture of all species (E)-II, (Z/E)-I, and III was observed Sep. ρ values for tautomerization equilibrium consts. were obtained for the X = H and Y = H series.

IT **69807-75-6P 69807-76-7P 69807-78-9P**
69807-79-0P 130340-37-3P 130340-41-9P
154669-07-5P 154669-08-6P 154669-09-7P
154669-10-0P 154669-11-1P 154669-12-2P
154669-13-3P 154669-14-4P 154669-15-5P
RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(preparation and tautomerism of)

L19 ANSWER 15 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:191606 HCAPLUS
DOCUMENT NUMBER: 120:191606
TITLE: The reaction of 1,1,1,5,5,5-hexafluoropentane-2,4-dione with hydrazines: a reinvestigation
AUTHOR(S): Threadgill, Michael D.; Heer, Amandeep K.; Jones, Brian G.
CORPORATE SOURCE: Sch. Pharm. Pharmacol., Univ. Bath, Bath, BA2 7AY, UK
SOURCE: Journal of Fluorine Chemistry (1993), 65(1-2), 21-3
CODEN: JFLCAR; ISSN: 0022-1139
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 120:191606

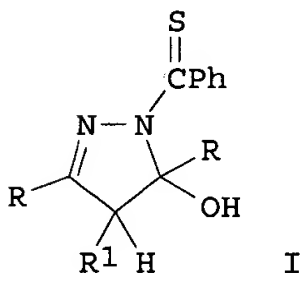
AB The reaction of 1,1,1,5,5,5-hexafluoropentane-2,4-dione with hydrazine (N2H4) in boiling ethanol gives 3,5-bis(trifluoromethyl)pyrazole but reaction with N-aryl or N-aroyl hydrazines gives the 1-aryl- or 1-aroyl-3,5-bis(trifluoromethyl)-4,5-dihydro-5-hydroxypyrazoles, as shown by NMR and mass spectra, in contrast to a previous report.

IT **153628-51-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

L19 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1993:484627 HCAPLUS
DOCUMENT NUMBER: 119:84627
TITLE: Preparation and crystal structure of trifluoroacetylacetone benzoylhydrazone and its nickel(II) complex
AUTHOR(S): Toshev, M. T.; Dustov, Kh. B.; Saidov, S. O.; Umarov, B. B.; Parpiev, N. A.; Yakimovich, S. I.; Zerova, I.

V.
CORPORATE SOURCE: Bukhar. Tekhnol. Inst. Pishch. Legk. Prom., Bukhara, Uzbekistan
SOURCE: Koordinatsionnaya Khimiya (1992), 18(12), 1184-90
CODEN: KOKHDC; ISSN: 0132-344X
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB Trifluoroacetylacetone benzoylhydrazone (H2L) and NiL(PPh3) were prepared and their crystal structures determined H2L and NiL(PPh3) are triclinic, space group P.hivin.1, Z = 4, R = 0.106 and 0.076, resp. The condensation reaction, forming H2L, occurs at the C(O)Me group. In square planar NiL(PPh3), L is tridentate.
IT **148843-67-8P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and crystal structure of)

L19 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1992:644557 HCAPLUS
DOCUMENT NUMBER: 117:244557
TITLE: Structures of condensation products of β-diketones with thiobenzoylhydrazine and their nickel(II) complexes
AUTHOR(S): Toshev, M. T.; Yusupov, V. G.; Dustov, Kh. B.; Saidov, S. O.; Karimov, M. M.; Parpiev, N. A.; Aleksandrov, G. G.
CORPORATE SOURCE: Bukhar. Tekhnol. Inst. Tekst. Legk. Prom., Bukhara, Uzbekistan
SOURCE: Zhurnal Neorganicheskoi Khimii (1992), 37(5), 1052-61
CODEN: ZNOKAQ; ISSN: 0044-457X
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI



I

AB CuL.NH3 (H2L = I (R = Me, R1 = CH2CHMe2)) and CuL1 (H2L1 = I (R = CHMe2, R1 = H)) were prepared and their crystal structures as well as those of the ligands were determined Crystal data: for CuL.NH3, triclinic, space group P.hivin.1, Z = 2, R/Rw = 0.073/0.079; for I (R = Me, R1 = CH2CHMe2), I (R = CHMe2, R1 = H) and CuL1, monoclinic, space group P21/n, P21/c and P21/c, resp, Z = 4, R/Rw = 0.095/0.105, 0.100/0.111 and 0.070/0/077, resp. CuL.NH3 is square planar and the ligand is tridentate with N,O,S-coordination. CuL1 is dimeric with S bridging.
IT **144264-68-6 144264-69-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(crystal structure and complexation of, with copper)

L19 ANSWER 18 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1992:165020 HCAPLUS
DOCUMENT NUMBER: 116:165020
TITLE: Studies of fluorinated 1,3-diketones and related compounds. 17. Benzoic acid hydrazide derivatives of

1,3-diketones and their nickel complexes. Molecular structures of [cyclic]C6H5C(:O)NN:C(p-FC6H4)CH2C(OH)(p-FC6H4) and [cyclic][C6H5C(O):NN:C(p-FC6H4)CH:C(O)(p-FC6H4)-O,N]Ni(NH3)

AUTHOR(S): Joshi, Krishna C.; Bohra, Rakesh; Joshi, Bidya S.

CORPORATE SOURCE: Dep. Chem., Univ. Rajasthan, Jaipur, India

SOURCE: Inorganic Chemistry (1992), 31(4), 598-603
CODEN: INOCAJ; ISSN: 0020-1669

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The synthesis and characterization of N-(R1-substituted-benzoyl)-3-(R-substituted)-5-(R2-substituted)-5-hydroxypyrazoline (I; R1 = H, p-F; R = Me, Et, p-FC6H4; R2 = p-FC6H4, 3-Me-4-FC6H3) and NiL(NH3) (in which L is in the linear tautomeric form of I) are reported. Spectral studies reveal that the ligands exist exclusively as cyclic tautomers corresponding to pyrazoline derivs. and undergo a ring-opening reaction on chelation with Ni. The crystal structures of I (R1 = H; R = R2 = p-FC6H4) and NiL(NH3) (II) are reported. The crystals of I (R1 = H; R = R2 = p-FC6H4) are orthorhombic, space group Pbca, Z = 8, R = 0.074, rw = 0.097. The ligand exists in a cyclic tautomeric form with a planar 5-membered ring corresponding to a pyrazoline derivative The crystals of II are triclinic, space group P.hivin.1, Z = 2, R = 0.029, Rw = 0.036. The crystal structure shows a square-planar geometry around the Ni atom and the tridentate bifunctional behavior of the ligand.

IT **138542-23-1P 138542-24-2P 138542-25-3P**
138542-26-4P 138542-27-5P 138542-28-6P
138542-30-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and IR spectrum and reactions of, with ammoniacal nickel acetate)

IT **138542-29-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and crystal structure and IR spectrum and reaction of, with ammoniacal nickel acetate)

L19 ANSWER 19 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1991:23863 HCAPLUS

DOCUMENT NUMBER: 114:23863

TITLE: Reactions of aroylhydrazines with chalcone dibromides

AUTHOR(S): Holla, B. Shivarama; Udupa, K. Venkatramana

CORPORATE SOURCE: Dep. P G Stud. Res. Chem., Mangalore Univ., Mangalagangothri, 574 199, India

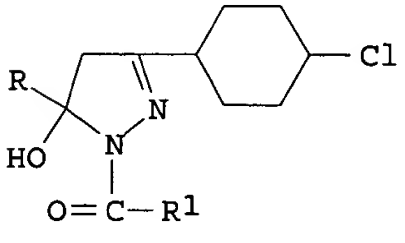
SOURCE: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1990), 29B(9), 887-9
CODEN: IJSBDB; ISSN: 0376-4699

DOCUMENT TYPE: Journal

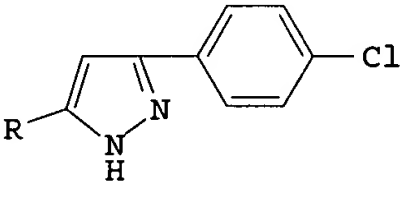
LANGUAGE: English

OTHER SOURCE(S): CASREACT 114:23863

GI



I



II

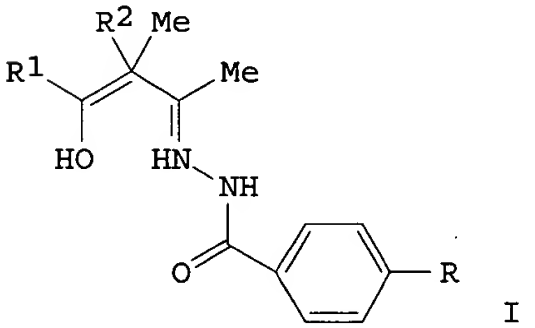
AB Cyclization of p-ClC6H4CH(Br)CH(Br)C(O)R (R = Ph, p-tolyl, p-ClC6H4) with

R1C(O)NHNH2 (R1 = Ph, o-, p-ClC6H4, p-HOC6H4, 2-naphthyloxymethyl) gave 60-9% 13 pyrazolines I, which underwent acid catalyzed dehydration to give 75-80% pyrazoles II.

IT **131138-41-5P 131138-42-6P 131138-46-0P**
131138-47-1P 131138-50-6P 131138-51-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and acid catalyzed dehydration of)

IT **131138-43-7P 131138-44-8P 131138-48-2P**
131138-52-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

L19 ANSWER 20 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1990:611899 HCAPLUS
DOCUMENT NUMBER: 113:211899
TITLE: The reaction of aroylacetaldehydes with aroylhydrazines
AUTHOR(S): Silwanis, Basim Azmy; Moussa, Adel
CORPORATE SOURCE: Fac. Sci., Alexandria Univ., Alexandria, Egypt
SOURCE: Monatshefte fuer Chemie (1990), 121(6-7), 517-23
CODEN: MOCMB7; ISSN: 0026-9247
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:211899
GI



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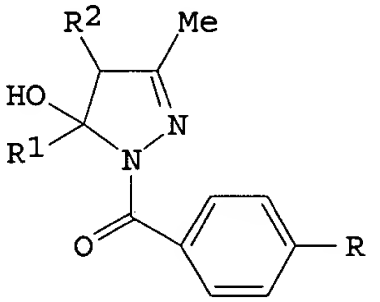
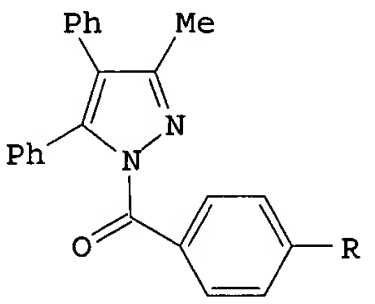


II



III

AB A series of aroylacetaldehyde aroylhydrazones I (R = H, Cl, Me, MeO, NO2;, R1 = Ph, 4-MeC6H4, 4-MeOC6H4; R2 = H, Ph) were prepared from R1COCMeR2COMe and 4-RC6H4CONHNH2. Their UV and 1H NMR spectra suggest the enol-imine structure rather than the keto-imine form. The pKa values of these aroylhydrazones were measured and correlated with the Hammett substitution consts. It was observed that benzoylacetaldehyde substituted in the p-position could be cyclized to form the 5-hydroxy-2-pyrazolines II by refluxing in acidified ethanol, while formyldeoxybenzoin only give the corresponding pyrazoles III due to steric requirements of the two Ph groups.

IT **130340-37-3P 130340-38-4P 130340-39-5P**

130340-40-8P 130340-41-9P 130340-42-0P
130340-43-1P 130340-44-2P 130340-45-3P
131129-53-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

L19 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1990:198207 HCAPLUS
DOCUMENT NUMBER: 112:198207
TITLE: The reaction of α,β-acetylenic ketones with aroylhydrazines
AUTHOR(S): Holla, B. Shivarama; Udupa, K. Venkatramana; Sridhar, K. R.
CORPORATE SOURCE: Dep. P. G. Stud. Res. Chem., Mangalore Univ., Mangalore, 574199, India
SOURCE: Bulletin of the Chemical Society of Japan (1989), 62(10), 3409-11
CODEN: BCSJA8; ISSN: 0009-2673
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 112:198207
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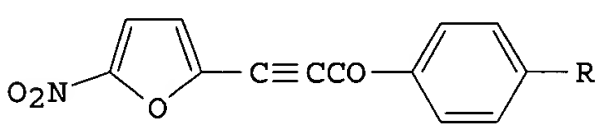

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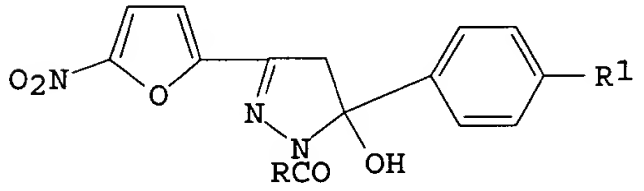
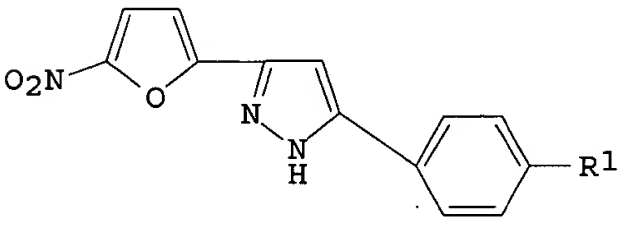


II

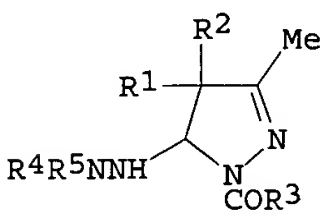


III

AB Reaction of propynones I (R = H, Me) with R1CONHNH2 (R1 = Ph, 4-ClC6H4, 2-HOC6H4, 2-naphthyloxymethyl) furnished 2-pyrazolines II rather than the expected pyrazoles. On acid-catalyzed hydrolysis II are converted into the known 1H-pyrazoles III. II showed significant bactericidal activity.
IT **126797-95-3P 126797-96-4P 126797-98-6P**
126797-99-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal activity of)
IT **126797-94-2P 126798-00-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, dehydration-debenzoylation and bactericidal activity of)

L19 ANSWER 22 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1988:437777 HCAPLUS

DOCUMENT NUMBER: 109:37777
TITLE: 5-Hydrazino-2-pyrazolines
AUTHOR(S): Zelenin, K. N.; Malov, M. Yu.; Zerova, I. V.; Terent'ev, P. B.; Kalandarishvili, A. G.
CORPORATE SOURCE: Voenno-Med. Akad., Leningrad, USSR
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1987), (9), 1210-18
CODEN: KGSSAQ; ISSN: 0453-8234
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 109:37777
GI

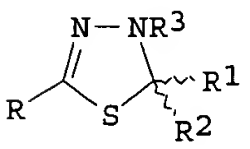


I

AB 1-Acyl-5-hydrazino-2-pyrazolines I (R1 = H, Me, R2 = H, Me, R3 = H, Et, Ph, p-tolyl, R4 = acyl, aroyl, Me, R5 = H, Me, Ph) were prepared in 33-96% yields by condensation of the corresponding hydrazine derivs. with MeCOCR1R2COMe, 1-acyl-5-hydroxy-2-pyrazolines, and 1-acyl-5-methylene-2-pyrazolines. The latter were synthesized by acylation of 3,4,4,5-tetramethyl-4H-pyrazole with R3OCOCOR6 (R3 = H, Me, R6 = Me; R3 = R6 = CF3, Ph).
IT **28620-33-9P 113307-78-1P 113307-79-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and condensation with hydrazine derivs.)

L19 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1988:111528 HCAPLUS
DOCUMENT NUMBER: 108:111528
TITLE: Tautomerism in acetylacetone acylhydrazones and α-alkyl β-diketones
AUTHOR(S): Yakimovich, S. I.; Zerova, I. V.
CORPORATE SOURCE: Leningr. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1987), 23(7), 1433-40
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 108:111528
AB NMR data showed that acetylacetone mono(acylhydrazones) exist in the crystalline state and in CDCl3 solution as 5-pyrazolinols and in (CD3)2SO solution as a mixture of 5-pyrazolinols and ene-hydrazines. α-Alkylacetylacetone mono(acylhydrazones) and Me3CCOCHMeCMe:NNHCOR (R = H, Me, Ph, CMe3) exist in the 5-pyrazolinol form. The 5-pyrazolinols are mixts. of cis and trans isomers.
IT **113307-90-7P 113307-91-8P 113307-93-0P**
113307-94-1P 113307-95-2P 113307-96-3P
113307-99-6P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and NMR of)
IT **28620-33-9P 74102-41-3P 113307-77-0P**
113307-78-1P 113307-79-2P 113307-80-5P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and ring-chain tautomerism of)

L19 ANSWER 24 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1987:138348 HCAPLUS
DOCUMENT NUMBER: 106:138348
TITLE: Thiadiazoles and dihydrothiadiazoles. Part 5. Synthesis of 2,3-dihydro-1,3,4-thiadiazoles by reaction of aldehydes or ketones with thioaroylhydrazines
AUTHOR(S): Evans, D. Michael; Hill, Lawrence; Taylor, David R.; Myers, Malcolm
CORPORATE SOURCE: Chem. Dep., Univ. Manchester Inst. Sci. Technol., Manchester, M60 1QD, UK
SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1986), (8), 1499-505
CODEN: JCPRB4; ISSN: 0300-922X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 106:138348
GI



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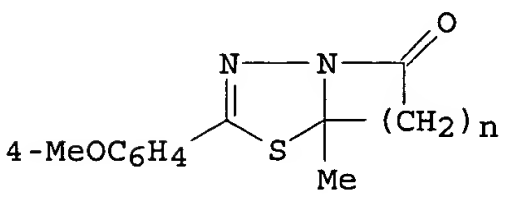

II

AB 1,3,4-Thiadiazole I [R = Ph, 4-MeOC6H4; R1 = H, Me, Ph; R2 = H, Me, Ph, 4-MeOC6H4, 4-MeC6H4, 4-ClC6H4, CH2COMe, (CH2)2CO2H, (CH2)3CO2H, 2-HOC6H4, R1R2 = (CH2)5, (CH2CH2)2NMe, R3 = H, Ph, CH2Ph, CHMe2] were prepared by condensation of R1R2CO with RCSNHNHR3. The reaction of 4-MeOC6H4CSNHNH2 with MeCO(CH2)n CO2H (n = 2,3) gave I [R = 4-MeOC6H4, R1 = Me; R2 = (CH2)n CO2H; R3 = H], which were cyclized to give lactams II.
IT **107402-80-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

L19 ANSWER 25 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1986:478413 HCAPLUS
DOCUMENT NUMBER: 105:78413
TITLE: Tautomerism of methyl 5,5-dimethyl-2,4-dioxohexanoate acylhydrazones
AUTHOR(S): Yakimovich, S. I.; Nikolaev, V. N.; Zerova, I. V.
CORPORATE SOURCE: Leningr. Gos. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1986), 22(2), 286-92
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 105:78413
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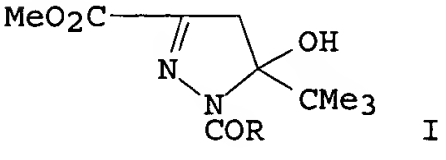

I

AB The percentages of (E)- and (Z)-RCONHN:C(CO2Me)CH2COCMe3 [R = H, Me, Et,

Me2CH, Me3C, (un)substituted phenyl] and their cyclic tautomers (I) were determined by NMR. Electron-withdrawing substituents in the Ph ring of the aroylhydrazones did not shift the ring-chain equilibrium appreciably toward I. With the alkylhydrazones, increasing the size of R favored the acyclic tautomers.

IT **70997-32-9 103653-58-3 103653-59-4 103653-60-7 103653-61-8 103674-77-7**
RL: PRP (Properties)
(ring-chain tautomerism of, NMR in relation to)

L19 ANSWER 26 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1986:442206 HCAPLUS
DOCUMENT NUMBER: 105:42206
TITLE: Tautomerism in a series of acylhydrazones of acetylpinacolin
AUTHOR(S): Yakimovich, S. I.; Zerova, I. V.
CORPORATE SOURCE: Leningr. Gos. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1985), 21(12), 2493-502
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 105:42206
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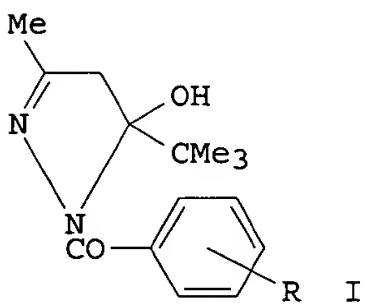


I

AB NMR studies showed that RC6H4CONHN:CMeCH2COCMe3 (R = 4-Me2N, 4-MeO, 4-Me, H, 4-Br, 3-Br, 4-NO2) in CDCl3 or (CD3)2SO exist as mixed hydrazone (E and Z isomers), ene hydrazine (Z/E ≈ 10:1), and pyrazolinol I forms. Similarly, RCONHN:CMeCH2COCMe3 (II; R = H, Me, Et, Me2CH, Me3C) exist in solution as mixed open and cyclic forms. The pyrazolinol tautomers are formed by electron-withdrawing substituents in the aromatic ring of I and by smaller R groups in II.

IT **76469-45-9 103214-35-3 103214-36-4 103214-37-5 103214-38-6 103214-39-7 103214-40-0**
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)
(tautomerism of)

L19 ANSWER 27 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1985:571065 HCAPLUS
DOCUMENT NUMBER: 103:171065
TITLE: Complex formation and liquid-liquid extraction of tin with potentially tridentate dianionic ligands
AUTHOR(S): Uhlemann, E.; Reichmann, H.; Mehner, H.
CORPORATE SOURCE: Paedagog. Hochsch. "Karl Liebknecht", Potsdam, DDR-1500, Ger. Dem. Rep.
SOURCE: Analytica Chimica Acta (1985), 170(2), 319-24
CODEN: ACACAM; ISSN: 0003-2670
DOCUMENT TYPE: Journal
LANGUAGE: German

AB Square-wave polarog. was used to study the extraction of Sn(IV) from chloride solution with potentially tridentate dianionic ligands, as possible anal. reagents for Sn, under unbuffered conditions. The ligands usually contained enolizable groups or were produced by splitting heterocyclic rings. The most favorable extractant was 2-(2'-hydroxyphenyl)-8-quinolinol, extracting Sn at pH 2-8; all other ligands gave good extraction only at pH 6-8. In the organic phase, 1:1 chelates are formed in all cases. SnL2 and SnCl2L2 complexes were prepared as solid compds. by reactions of SnCl2 and SnCl4 with the ligands. The complexes were characterized by elemental anal., m.p., and their Moessbauer parameters.

IT **80857-68-7D**, tin complexes
RL: ANT (Analyte); ANST (Analytical study)
(extraction of)

IT **80857-68-7**
RL: ANST (Analytical study)
(in extraction of tin)

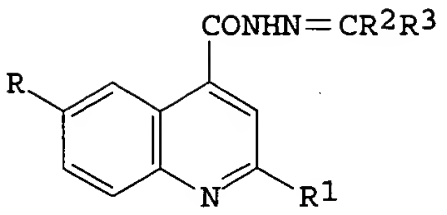
L19 ANSWER 28 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1984:591033 HCAPLUS
DOCUMENT NUMBER: 101:191033
TITLE: Tautomerism in a series of benzoylhydrazones of aliphatic β-dicarbonyl compounds
AUTHOR(S): Yakimovich, S. I.; Nikolaev, V. N.; Blokhtina, S. A.
CORPORATE SOURCE: Leningr. Gos. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1984), 20(7), 1371-8
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 101:191033

AB NMR was used to study the interconversion of the hydrazone, ene hydrazine, and pyrazolinol tautomers of mono(benzoylhydrazones) of RCOCH2COR1 (I; R = H, Me, Et, Me2CH, Me3C, CO2Me, CHF2, CF3, Me2CHCH2; R1 = Me3C, CF3, Me, Et, Me2CH, Me2CHCH2). Increasing the volume of R shifted the equilibrium toward the pyrazolinol form; a strongly electron-withdrawing R favored the pyrazolinol and hydrazone tautomers. The hydrazones of sym. I had the pyrazolinol structure.

IT **28620-33-9P 92916-82-0P 92916-85-3P**
92916-86-4P 92916-87-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

IT **70997-32-9 92916-79-5 92916-80-8**
92916-81-9 92916-83-1 92916-84-2
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)
(tautomerism of)

L19 ANSWER 29 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1984:174637 HCAPLUS
DOCUMENT NUMBER: 100:174637
TITLE: Synthesis of certain cinchoninic acid derivatives for pharmacological study
AUTHOR(S): El-Badry, O. M.; Abd El-Fattah, B.; Khalifa, M.
CORPORATE SOURCE: Fac. Pharm., Cairo Univ., Cairo, Egypt
SOURCE: Egyptian Journal of Pharmaceutical Sciences (1983), Volume Date 1981, 22(1-4), 185-91
CODEN: EJPSBZ; ISSN: 0301-5068
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 100:174637
GI

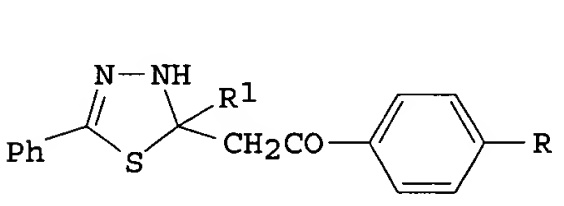


I

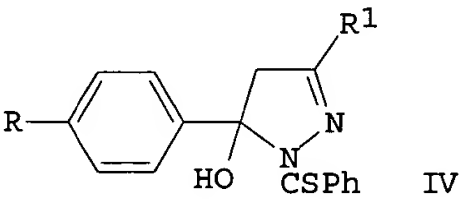
AB The hydrazones I [R = H, Me; R1 = Me, OH, Ph; R2 = Me, R3 = CH2CHMe2, CH2CO2Et, 5,2-Cl(HO)C6H3; R2 = H, R3 = 2-HOC6H4, 4-HOC6H4, 2-AcOC6H4, 2-ClC6H4, 3,4-(MeO)2C6H3, 4-ClC6H4; R2R3 = (CH2)5] were prepared from the acid hydrazide and R2R3CO. I had tuberculostatic activity. Several I are effective against both H37RV and H28 strains.

IT **89861-72-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and tuberculostatic activity of)

L19 ANSWER 30 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1984:22225 HCAPLUS
DOCUMENT NUMBER: 100:22225
TITLE: Tautomerism of thiobenzoylhydrazones of aroylacetones and aroylacetaldehydes
AUTHOR(S): Yakimovich, S. I.; Zelenin, K. N.; Nikolaev, V. N.; Koshmina, N. V.; Alekseev, V. V.; Khrustalev, V. A.
CORPORATE SOURCE: Leningr. Gos. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1983), 19(9), 1875-81
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 100:22225
GI



III



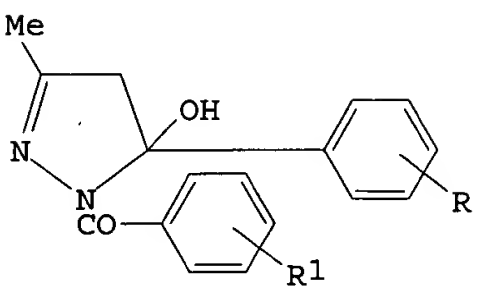
IV

AB The products of the reactions of PhCSNHNH2 (I) with 4-RC6H4COCH2COR1 (II; R = MeO, H, NO2; R1 = H) have structure III in the crystalline and solution states. The products of the reactions of I with II (R = Me2N, MeO, Me, H, Br, NO2; R1 = Me) also have structure III in the condensed state, but in CDCl3 they exist as III-IV mixts., and in (CD3)2SO a 3rd tautomer, 4-RC6H4COCH:CR1NHNHCSPh (V), is also present. Electron-withdrawing R groups favor IV and V.

IT **88222-85-9 88222-86-0 88222-87-1 88222-88-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(tautomerization of)

L19 ANSWER 31 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1982:438262 HCAPLUS
DOCUMENT NUMBER: 97:38262
TITLE: Tautomerism in a series of condensation products of aroylacetones with aroylhydrazines

AUTHOR(S): Yakimovich, S. I.; Nikolaev, V. N.; Kutsenko, E. Yu.
CORPORATE SOURCE: Leningr. Gos. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1982), 18(4), 762-71
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 97:38262
GI

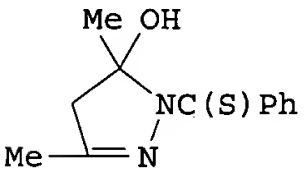


I

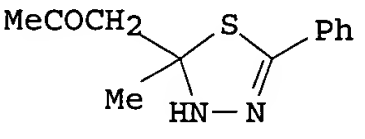
AB NMR data indicated that MeCOCH2COC6H4R (R = 4-NO2, 3-Br, 4-Cl, H, 4-Me, 4-OMe, 4-NMe2) condensed with H2NNHCOC6H4R1 (R1 = 3-NO2, 4-NO2, 4-Br, H, 4-Me, 4-OMe, 4-NMe2) to give mixts. of RC6H4COCH:CMeNHNHCOC6H4R1 (cis and trans isomers) with I (same R, R1). Electron-withdrawing R and R1 shifted the tautomeric equilibrium toward I.

IT **82366-02-7P 82366-03-8P 82366-04-9P**
82366-05-0P 82366-06-1P 82366-07-2P
82366-08-3P 82366-24-3P 82366-25-4P
82366-26-5P 82366-27-6P 82366-28-7P
82366-29-8P 82366-30-1P 82366-31-2P
82366-32-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, NMR and tautomerism of)

L19 ANSWER 32 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1982:85477 HCAPLUS
DOCUMENT NUMBER: 96:85477
TITLE: Ring-ring tautomerism in 1-thioacyl-5-hydroxy-2-pyrazoline 5-(2-oxoalkyl)-Δ21,3,4-thiadiazoline
AUTHOR(S): Khrustalev, V. A.; Zelenin, K. N.; Alekseev, V. V.
CORPORATE SOURCE: Voen.-Med. Akad im. Kirova, Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1981), 17(11), 2451-2
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 96:85477
GI



I

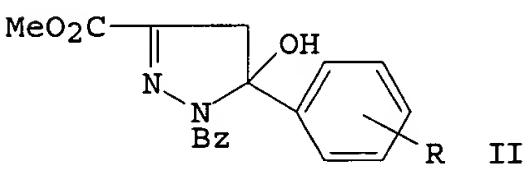


II

AB Spectral data indicated that PhCSNHNH2 and (MeCO)2CH2 reacted to form a product which had structure I in the crystalline state and was a mixture of I and II in solution The content of I increased in the following order of solvents: CD3CN, CDCl3 < CCl4 < CD3OD < DMF-d7.

IT **80857-68-7**
RL: PRP (Properties)
(ring-ring tautomerism of)

L19 ANSWER 33 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1981:441975 HCAPLUS
DOCUMENT NUMBER: 95:41975
TITLE: Tautomerism in a series of benzoylhydrazones of methyl esters of 4-aryl-2,4-dioxobutanoic acids
AUTHOR(S): Yakimovich, S. I.; Nikolaev, V. N.
CORPORATE SOURCE: Leningr. Gos. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1981), 17(2), 284-91
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 95:41975
GI

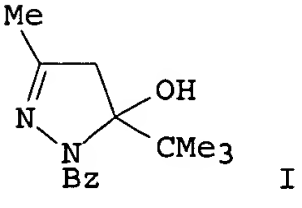


II

AB NMR data indicated that RC6H4COCH2C(CO2Me):NNHBz (I; R = 4-Me2N, 4-MeO, 4-Me, H, 4-Cl, 3-NO2, 4-NO2) existed in CDCl3 as mixts. of E and Z isomers and II. Electron-donating R shifted the tautomeric equilibrium toward I and the configurational equilibrium toward the E isomer. Hammett relations were described for the equilibrium consts. In going from CDCl3 to (CD3)2SO as solvent, the tautomeric equilibrium was shifted toward II.

IT **78051-35-1 78051-36-2 78051-37-3**
78051-38-4 78051-39-5 78051-40-8
RL: PROC (Process)
(tautomerism and NMR of)

L19 ANSWER 34 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1981:64878 HCAPLUS
DOCUMENT NUMBER: 94:64878
TITLE: Tautomeric transformations of acetylpinacolin benzoylhydrazone
AUTHOR(S): Yakimovich, S. I.; Nikolaev, V. N.; Temnikova, T. I.
CORPORATE SOURCE: Leningr. Gos. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1980), 16(10), 2235-6
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 94:64878
GI

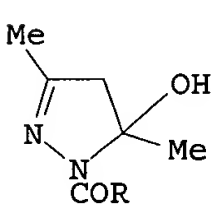


I

AB The reaction of MeCOCH2COCMe3 with BzNHNH2 gave the title compound in the (Z)-keto enamine form. On standing, the (E)- and (Z)-keto imine tautomers and I were formed. I was especially favored in CDCl3. In (CD3)2SO small amts. of the (E)-keto enamine tautomer were also detected. NMR data were given.

IT **76469-45-9P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and NMR of)

L19 ANSWER 35 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1980:426335 HCAPLUS
DOCUMENT NUMBER: 93:26335
TITLE: Reaction of β-diketones with acylhydrazines
AUTHOR(S): Yusupov, V. G.; Yakimovich, S. I.; Nasirdinov, S. D.; Parpiev, N. A.
CORPORATE SOURCE: Inst. Khim., Tashkent, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1980), 16(2), 415-20
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 93:26335
GI

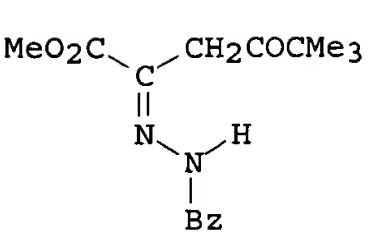


I

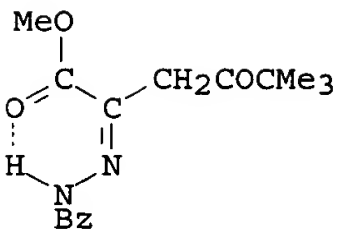
AB Treatment of (MeCO)2CH2 with RCONHNH2 (R = Me, CH2CN, Et, Me2CH, p-O2NC6H4, Ph, p-MeOC6H4) gave 52-73% acylpyrazolines I.

IT **28620-33-9P 74102-41-3P 74102-42-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, NMR and IR of)

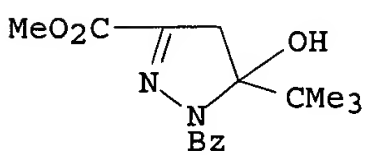
L19 ANSWER 36 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1979:474050 HCAPLUS
DOCUMENT NUMBER: 91:74050
TITLE: Ring-chain tautomerism of acylhydrazones of β-diketones
AUTHOR(S): Yakimovich, S. I.; Nikolaev, V. N.
CORPORATE SOURCE: Leningr. Gos. Univ., Leningrad, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1979), 15(5), 1100-1
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI



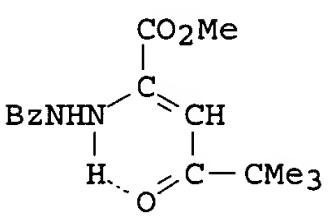
Ia



Ib



Ic



Id

AB The reaction product BzNHN:C(CO2Me)CH2COCMe3 (I) from Me3CCOCH2COCO2Me and BzNHNH2 was shown by NMR to exist aa a mixture of the tautomeric forms Ia, Ib, and Ic; the form Id was not observed

IT **70997-32-9**
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)
(tautomerism of)

L19 ANSWER 37 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1979:151166 HCAPLUS
DOCUMENT NUMBER: 90:151166
TITLE: Hydrazine derivatives of β-dicarbonyl compounds, part I. Studies on some benzoylacetaldehyde aroylhydrazones
AUTHOR(S): Rateb, Latif; Azmy, B.; Nashed, M. A.; Iskander, M. F.
CORPORATE SOURCE: Fac. Sci., Univ. Alexandria, Alexandria, Egypt
SOURCE: Zeitschrift fuer Naturforschung, Teil B: Anorganische Chemie, Organische Chemie (1978), 33B(12), 1527-34
CODEN: ZNBAD2; ISSN: 0340-5087
DOCUMENT TYPE: Journal
LANGUAGE: English
AB IR, UV, and NMR data indicated that PhCOCH2CH:NNHCO(CH2)nC6H4R-4 (I; n = 0, 1; R = H, Me, MeO, Br, Cl, NO2) exist in the enol imine form rather than the keto enamine form shown by PhCOCR1:CHNHR2 (R1 = H, Ph; R2 = Ph, substituted Ph, 1-naphthyl). The pKa values of I were linearly correlated with σ consts.: ρ = -1.05. Cyclization of I gave 5-hydroxy-2-pyrazolines.
IT **69807-75-6P 69807-76-7P 69807-77-8P**
69807-78-9P 69807-79-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

L19 ANSWER 38 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1970:498864 HCAPLUS
DOCUMENT NUMBER: 73:98864
TITLE: Structures of intermediates in the reaction of 1,3-diketones and hydrazines
AUTHOR(S): Hedbom, Christina; Helgstrand, Erik
CORPORATE SOURCE: Astra Res. Lab., Sodertalje, Swed.
SOURCE: Acta Chemica Scandinavica (1947-1973) (1970), 24(5), 1744-8
CODEN: ACSAA4; ISSN: 0001-5393
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Intermediates formed in the reactions of nicotinoylhydrazine and

benzoylhydrazine with acetylacetone were isolated and their structures determined by ir and NMR. These intermediates are cyclic monohydrazones, i.e. 1-acyl-5-hydroxy-2-pyrazolines, easily dehydrated to give the corresponding pyrazoles. In contrast the intermediate isolated from the reaction of acetylacetone and hydrazine had an open structure.

IT **28620-33-9P 28620-34-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

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E210 THROUGH E402 ASSIGNED

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L20 193 S E210-402

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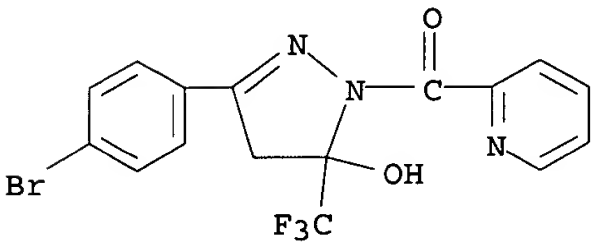
L20 ANSWER 1 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **648414-91-9** REGISTRY
CN 1H-Pyrazol-5-ol, 3-(4-bromophenyl)-4,5-dihydro-1-(2-pyridinylcarbonyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H11 Br F3 N3 O2
CI COM
SR CA
LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

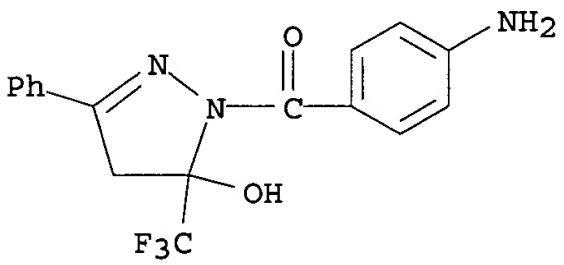


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:111330

L20 ANSWER 20 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **376621-55-5** REGISTRY
CN 1H-Pyrazol-5-ol, 1-(4-aminobenzoyl)-4,5-dihydro-3-phenyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H14 F3 N3 O2
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



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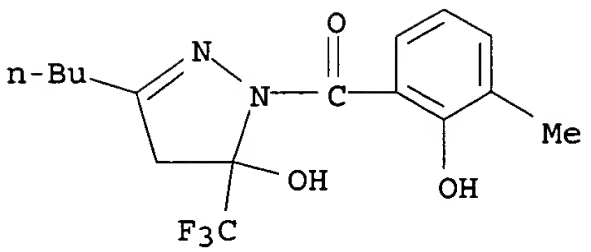
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:139547

L20 ANSWER 40 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **333770-74-4** REGISTRY
CN 1H-Pyrazol-5-ol, 3-butyl-4,5-dihydro-1-(2-hydroxy-3-methylbenzoyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H19 F3 N2 O3
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)



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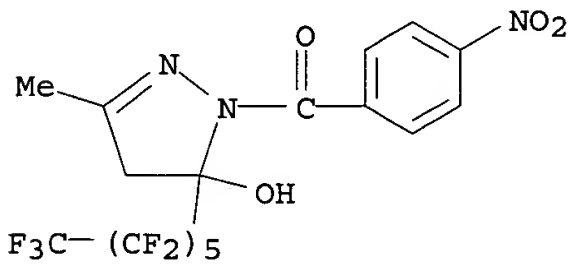
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:741

L20 ANSWER 60 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **203200-99-1** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-3-methyl-1-(4-nitrobenzoyl)-5-(tridecafluorohexyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H10 F13 N3 O4
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); RACT (Reactant or reagent)

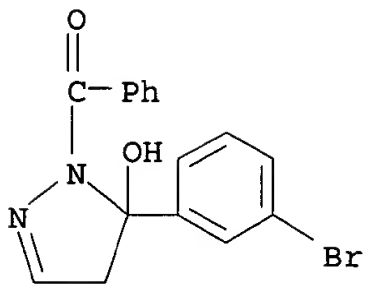


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 128:180055

L20 ANSWER 80 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **154669-11-1** REGISTRY
CN 1H-Pyrazol-5-ol, 1-benzoyl-5-(3-bromophenyl)-4,5-dihydro- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H13 Br N2 O2
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PROC (Process); PRP (Properties)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 120:297930

L20 ANSWER 100 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **131138-48-2** REGISTRY
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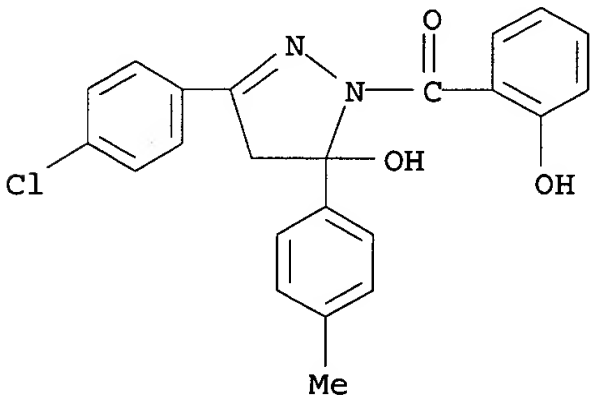
FS 3D CONCORD
MF C23 H19 Cl N2 O3
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)



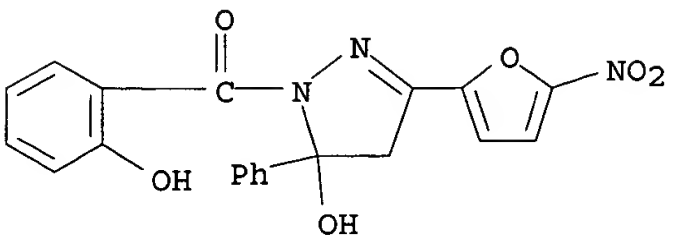
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 114:23863

L20 ANSWER 120 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **126797-96-4** REGISTRY
CN 1H-Pyrazol-5-ol, 4,5-dihydro-1-(2-hydroxybenzoyl)-3-(5-nitro-2-furanyl)-5-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H15 N3 O6
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER
DT.CA CAplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

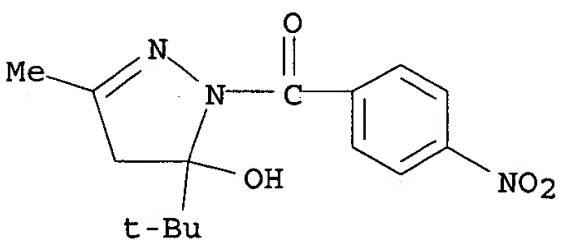


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 112:198207

L20 ANSWER 140 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **103214-40-0** REGISTRY
CN 1H-Pyrazol-5-ol, 5-(1,1-dimethylethyl)-4,5-dihydro-3-methyl-1-(4-nitrobenzoyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H19 N3 O4
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PROC (Process); PRP (Properties)

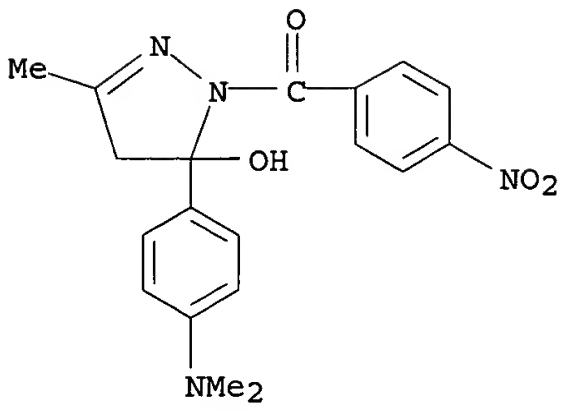


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 105:42206

L20 ANSWER 160 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **82366-32-3** REGISTRY
CN 1H-Pyrazol-5-ol, 5-[4-(dimethylamino)phenyl]-4,5-dihydro-3-methyl-1-(4-nitrobenzoyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H20 N4 O4
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

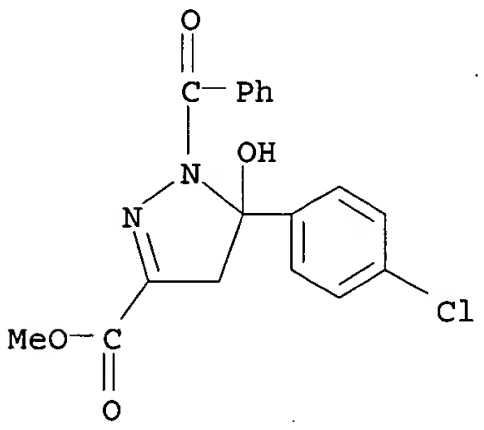


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 97:38262

L20 ANSWER 180 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **78051-37-3** REGISTRY
CN 1H-Pyrazole-3-carboxylic acid, 1-benzoyl-5-(4-chlorophenyl)-4,5-dihydro-5-hydroxy-, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H15 Cl N2 O4
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PROC (Process)



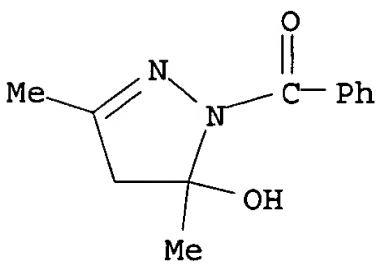
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 95:41975

L20 ANSWER 193 OF 193 REGISTRY COPYRIGHT 2004 ACS on STN
RN **28620-33-9** REGISTRY
CN 1H-Pyrazol-5-ol, 1-benzoyl-4,5-dihydro-3,5-dimethyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Pyrazolin-5-ol, 1-benzoyl-3,5-dimethyl- (8CI)
FS 3D CONCORD

MF C12 H14 N2 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 131:336980

REFERENCE 2: 123:168939

REFERENCE 3: 109:37777

REFERENCE 4: 108:111528

REFERENCE 5: 101:191033

REFERENCE 6: 93:26335

REFERENCE 7: 73:98864

=> □

=> fil hcaplus
FILE 'HCAPLUS' ENTERED AT 14:41:16 ON 07 JUL 2004

FILE COVERS 1907 - 7 Jul 2004 VOL 141 ISS 2
FILE LAST UPDATED: 6 Jul 2004 (20040706/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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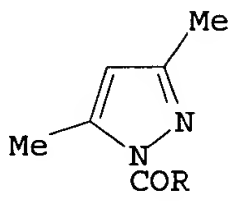
=> => d ibib abs hitstr

L22 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1981:407132 HCAPLUS
DOCUMENT NUMBER: 95:7132
TITLE: Synthesis of some N1-substituted-3,5-dimethylpyrazoles and N1-substituted-3-methyl-5-pyrazolones and related compounds as potential **fungicides**
AUTHOR(S): Pathak, R. B.; Bahel, S. C.
CORPORATE SOURCE: Dep. Chem., Gorakhpur Univ., Gorakhpur, 273 001, India
SOURCE: Journal of the Indian Chemical Society (1980), 57(11), 1108-11
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 95:7132
GI



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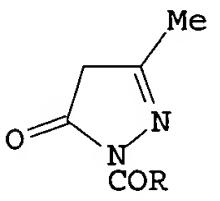

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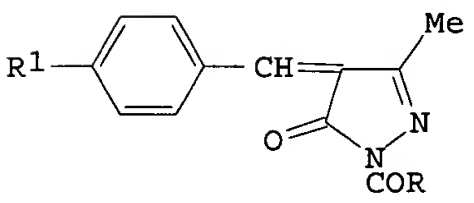
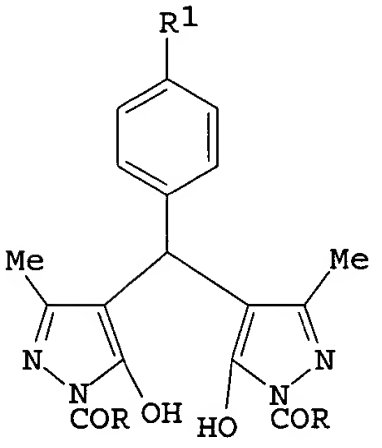


III



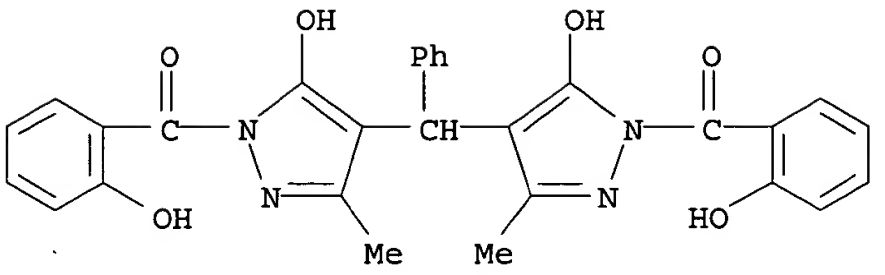
IV

AB Refluxing RCONHNH2 (R = 4-ClC6H4, 2-HOC6H4, 2-PhNHC6H4, 2-MeC6H4OCH2, 4-MeC6H4OCH2, 4-Me3CC6H4OCH2) with MeCOCH2COMe in EtOH gave 20.4-53.5% pyrazoles I. Refluxing RCONHNH2 with MeCOCH2CO2Et in EtOH gave 78.3-97.0% pyrazolones II, which were condensed with 4-R1C6H4CHO (R1 = H, Cl, HO, Me2N) to give III and IV. Most of these compds. showed **fungicidal** activity.

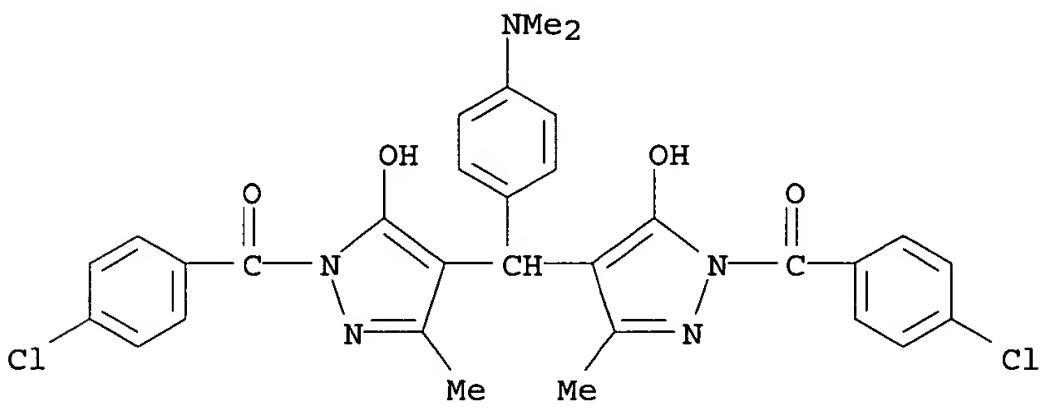
IT **77870-13-4P 77870-14-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and **fungicidal** activity of)

RN 77870-13-4 HCAPLUS

CN 1H-Pyrazol-5-ol, 4,4'-(phenylmethylene)bis[1-(2-hydroxybenzoyl)-3-methyl- (9CI) (CA INDEX NAME)



RN 77870-14-5 HCAPLUS
CN 1H-Pyrazol-5-ol, 4,4'-[[4-(dimethylamino)phenyl]methylene]bis[1-(4-chlorobenzoyl)-3-methyl- (9CI) (CA INDEX NAME)



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